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Scientific and Technical Information Center

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 Art Unit: \_\_\_\_\_ Phone Number 30 \_\_\_\_\_ Serial Number: \_\_\_\_\_  
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\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Jan Delaval  
 Reference Librarian  
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STRUCTURE FILE UPDATES: 9 DEC 2002 HIGHEST RN 475556-62-8  
DICTIONARY FILE UPDATES: 9 DEC 2002 HIGHEST RN 475556-62-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ide can l3

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 9002-68-0 REGISTRY  
CN **Follicle-stimulating hormone (9CI)** (CA INDEX NAME)  
OTHER NAMES:  
CN Anthrogon  
CN Antorin  
CN Fertinorm P  
CN Folicotropin  
CN Foligon  
CN **Follicle-stimulating gonadotropic hormone**  
CN **Follicular-stimulating hormone**  
CN Follitropin  
CN Folltropin V  
CN Fostimon  
CN FSH  
CN FSH-P  
CN Grofollon  
CN Luteoantine  
CN Neo-Fertinorm  
CN Primufol  
CN SUPER-OV  
CN Thylakentrin  
DR 8049-77-2, 9002-75-9, 9061-19-2, 125053-56-7, 55128-09-1  
MF Unspecified  
CI PMS, COM, MAN  
PCT Manual registration  
LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, NAPRALERT, NIOSHTIC, PHAR, PROMT, RTECS\*, TOXCENTER, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
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\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
19211 REFERENCES IN FILE CA (1962 TO DATE)



105 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
19229 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:349555  
REFERENCE 2: 137:346876  
REFERENCE 3: 137:346873  
REFERENCE 4: 137:346810  
REFERENCE 5: 137:346553  
REFERENCE 6: 137:346551  
REFERENCE 7: 137:346499  
REFERENCE 8: 137:346486  
REFERENCE 9: 137:346418  
REFERENCE 10: 137:345742

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FILE COVERS 1907 - 10 Dec 2002 VOL 137 ISS 24  
FILE LAST UPDATED: 9 Dec 2002 (20021209/ED)

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=> d all tot 161

L61 ANSWER 1 OF 15 HCAPLUS COPYRIGHT 2002 ACS  
AN 2002:33350 HCAPLUS  
DN 136:214897  
TI Mutation **screening** of the FSH receptor gene in  
infertile men  
AU Song, Gyun Jee; Park, Yong-Seog; Lee, Hyoung-Song; Kang, Inn Soo; Lee, Ha  
Kyu; Lee, Chung Choo  
CS Laboratory of Reproductive Biology and Infertility, Samsung Cheil Hospital  
and Women's Healthcare Center, Seoul, 100-380, S. Korea

- SO Molecules and Cells (2001), 12(3), 292-297  
CODEN: MOCEEK; ISSN: 1016-8478
- PB Springer-Verlag Singapore Pte. Ltd.
- DT Journal
- LA English
- CC 14-12 (Mammalian Pathological Biochemistry)  
Section cross-reference(s): 2, 3
- AB **FSH** is important for controlling spermatogenesis through binding with its receptor. However, little information is available on mutations of the **FSH** and its receptor gene in infertile men. To study the genetic defects, which caused problems in spermatogenesis, we **screened** the point mutations of the **FSH** receptor gene in infertile men with high serum **FSH** concns. Seventy male infertile patients with high **FHS** levels (> 12 mIU/mL) were **screened** for mutations in each of the 10 exons of the **FSH** receptor gene, using genomic DNA PCR and a single-strand conformation polymorphism (SSCP) anal. From this study, three shifted bands were detected by SSCP. The first shifted band was found in the PCR product of exon 4, including the exon-intron boundary sequence in only one patient. The sequence anal. revealed a nucleotide A to T substitution in intron 3 (IVS3-4AT). The second shifted band was detected in exon 10 with high frequency (33%). A nucleotide A to G substitution was found at the position of the 994th nucleotide, predicting a Thr to Ala substitution at the position of the 307th amino acid (Thr307Ala). The third shifted band in the 3 region of exon 10 was detected frequently in infertile patient and normal groups. It was tightly linked to the Thr307Ala variant. Thus, all of the abnormalities represent neutral polymorphisms, and not pathol. mutations of the **FSH** receptor gene. In conclusion, we did not confirm that the genomic mutation of the **FSH** receptor is a major genetic cause in Korean infertile patients with high **FSH** levels.
- ST **FSH** receptor gene mutation genetic polymorphism male infertility  
Korean; serum **FSH** testis **FSH** receptor genotype
- IT Gene, animal  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
(**FSH** receptor-encoding; mutation **screening** of **FSH** receptor gene in Korean infertile men with high serum **FSH** levels)
- IT Fertility  
(male, disorder; mutation **screening** of **FSH** receptor gene in Korean infertile men with high serum **FSH** levels)
- IT Allele frequency  
Blood serum  
Genetic polymorphism  
Genotypes  
Human  
Population genetics  
(mutation **screening** of **FSH** receptor gene in Korean infertile men with high serum **FSH** levels)
- IT **FSH** receptors  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(mutation **screening** of **FSH** receptor gene in Korean infertile men with high serum **FSH** levels)
- IT Mutation  
(point; mutation **screening** of **FSH** receptor gene in Korean infertile men with high serum **FSH** levels)
- IT Mutation  
(substitution; mutation **screening** of **FSH** receptor gene in Korean infertile men with high serum **FSH** levels)
- IT Testis  
(vol.; mutation **screening** of **FSH** receptor gene in Korean infertile men with high serum **FSH** levels)

IT 9002-68-0, Follicle-stimulating hormone

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(mutation screening of FSH receptor gene in Korean infertile men with high serum FSH levels)

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE

- (1) Aittomaki, K; Cell 1995, V82, P959 HCAPLUS
- (2) Conway, G; Clin Endocrinol 1996, V145, P657
- (3) Dierich, A; Proc Natl Acad Sci USA 1998, V95, P13612 HCAPLUS
- (4) Gromoll, J; Genomics 1996, V35, P308 HCAPLUS
- (5) Gromoll, J; J Mol Endocrinol 1994, V12, P265 HCAPLUS
- (6) Gromoll, J; Mol Cell Endocrinol 1996, V125, P177 HCAPLUS
- (7) Heckert, L; Mol Endocrinol 1991, V5, P670 HCAPLUS
- (8) Kumar, T; Nat Genet 1997, V15, P201 HCAPLUS
- (9) Layman, L; Fertil Steril 1998, V69, P300 MEDLINE
- (10) Layman, L; Mol Cell Endocrinol 2000, V161, P9 HCAPLUS
- (11) Lee, H; J Korean Androl Soc 1999, V17, P107
- (12) Leifke, E; Int J Androl 1997, V20, P29 MEDLINE
- (13) Liu, J; Fertil Steril 1998, V70, P326 MEDLINE
- (14) O'Shaughnessy, P; Mol Cell Endocrinol 1996, V125, P169 HCAPLUS
- (15) Simoni, M; Endocr Rev 1997, V18, P739 HCAPLUS
- (16) Simoni, M; J Clin Endocrinol Metab 1999, V84, P751 HCAPLUS
- (17) Sprengel, R; Mol Endocrinol 1990, V4, P525 HCAPLUS
- (18) Tapanainen, J; Nat Genet 1997, V15, P205 HCAPLUS
- (19) Themmen, A; Mol Cell Endocrinol 1994, V100, P15 HCAPLUS
- (20) Tuerlings, J; Hum Reprod 1998, V13, P2098 HCAPLUS

L61 ANSWER 2 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:851429 HCAPLUS

DN 136:1566

TI Follicle stimulating hormone (FSH)

modulated gene expression and uses thereof in drug screening

IN Wong, Grace

PA Applied Research Systems Ars Holding N.V., Neth. Antilles

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12Q001-68

CC 3-1 (Biochemical Genetics)

Section cross-reference(s): 1, 13

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001088193	A2	20011122	WO 2001-US15378	20010511 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2000-203805P P 20000512 <--

AB The present invention discloses the identification of genes that are expressed at a higher level in certain FSH or FSH analogs treated cells than in untreated cells by using gene expression microarray. In particular, the invention discloses that the expression of 189 genes is regulated by FSH, expression of 121 genes is upregulated by FSH analog 024, expression of 106 genes is upregulated by forskolin and expression of 64 genes is upregulated by

**FSH**, 024 and forskolin. The invention further discloses that these genes are of medical significance, in part, because **FSH** or **FSH** analogs can or could influence a wide range of cellular processes and responses in reprodn., including steroidogenesis and gametogenesis. The invention discloses that the identified genes and the proteins they encode can be used as therapeutic agents which modulate a cellular process or response that is influenced by **FSH** or **FSH** analog. The invention also discloses that the genes and proteins can be targets for use in high throughput **screening** and the development of therapeutic agents which modulate a cellular process or response that is influenced by **FSH** or **FSH** analog. The invention further provides markers and test kits which can be used to detect and monitor a cellular process or response that is influenced by **FSH** or **FSH** analog, diagnose and select a therapy for patients with disorders assocd. with **FSH** or **FSH** analog influenced cellular response or process.

- ST **FSH** analog regulated gene microarray reprodn drug **screening**
- IT Metallothioneins  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (1; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Heat-shock proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (74 kDa, hsp40-3; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Tenascins  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (C; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT CD antigens  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (CD9; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (DNA-binding, zinc finger-contg.; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (DP (docking protein), .beta.; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Cyclins  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (E; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Transcription factors  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (Elf-1 (gene E74 protein-like factor 1), A; **FSH** modulated gene expression and uses thereof in drug **screening**)
- IT **Drug screening**  
cDNA sequences  
(**FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Calcium-binding proteins  
Hormone receptors  
Prion proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (**FSH** modulated gene expression and uses thereof in drug **screening**)
- IT Mouse  
(**FSH** or **FSH** analog-modulated genes from;  
**FSH** modulated gene expression and uses thereof in drug

- screening)**

IT High-mobility group proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (HGM-I(Y); **FSH** modulated gene expression and uses thereof in  
 drug **screening**)
- IT Proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (Hsl binding, SH3P2; **FSH** modulated gene expression and uses  
 thereof in drug **screening**)
- IT Transcription factors  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (NF-E2 (nuclear factor erythroid 2); **FSH** modulated gene  
 expression and uses thereof in drug **screening**)
- IT Transcription factors  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (PBX3b; **FSH** modulated gene expression and uses thereof in  
 drug **screening**)
- IT Transcription factors  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (Smad; **FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT Annexins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (V; **FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT Animal cell  
 (Y-1, for detecting genes modulated by **FSH**; **FSH**  
 modulated gene expression and uses thereof in drug **screening**)
- IT Signal transduction, biological  
 (assocd. with **FSH**; **FSH** modulated gene expression  
 and uses thereof in drug **screening**)
- IT Proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (caveolins, 22 kilodalton; **FSH** modulated gene expression and  
 uses thereof in drug **screening**)
- IT Proteoglycans, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (chondroitin sulfate-contg., 2; **FSH** modulated gene expression  
 and uses thereof in drug **screening**)
- IT Reproduction, animal  
 (disorder, **FSH** or **FSH** analog for treating;  
**FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT Proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (extracellular matrix-assocd., 1, gene for; **FSH** modulated  
 gene expression and uses thereof in drug **screening**)
- IT **DNA microarray technology**  
 Test kits  
 (for detecting genes modulated by **FSH** or **FSH**  
 analog; **FSH** modulated gene expression and uses thereof in  
 drug **screening**)
- IT Agglutinins and Lectins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (galectin-3; **FSH** (**FSH**) modulated gene expression  
 and uses thereof in drug **screening**)
- IT Thioredoxins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (gene for; **FSH** modulated gene expression and uses thereof in  
 drug **screening**)
- IT G proteins (guanine nucleotide-binding proteins)  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (gene rab1; **FSH** modulated gene expression and uses thereof in

- drug **screening**)

IT Transport proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (glycine-transporting; **FSH** modulated gene expression and uses  
 thereof in drug **screening**)
- IT Myosins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (heavy polypeptide 8; **FSH** modulated gene expression and uses  
 thereof in drug **screening**)
- IT Proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (histidine-rich, KE4; **FSH** modulated gene expression and uses  
 thereof in drug **screening**)
- IT Heat-shock proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (hsp 40, -3; **FSH** modulated gene expression and uses thereof  
 in drug **screening**)
- IT Retinoid X receptors  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (interacting protein; **FSH** modulated gene expression and uses  
 thereof in drug **screening**)
- IT Antigens  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (lymphocyte; **FSH** modulated gene expression and uses thereof  
 in drug **screening**)
- IT **Gene, animal**  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (modulated by **FSH** or **FSH** analog; **FSH**  
 modulated gene **expression** and uses thereof in drug  
**screening**)
- IT Diagnosis  
 (mol., for detecting genes modulated by **FSH** or **FSH**  
 analog; **FSH** modulated gene expression and uses thereof in  
 drug **screening**)
- IT Proteins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (nexins, sorting; **FSH** modulated gene expression and uses  
 thereof in drug **screening**)
- IT **Gene, animal**  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (oncogene, myelocytomatosis, Ufo, Fyn; **FSH** modulated gene  
**expression** and uses thereof in drug **screening**)
- IT Collagens, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (procollagens, type III, .alpha.1; **FSH** modulated gene  
 expression and uses thereof in drug **screening**)
- IT Collagens, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (procollagens, type XI, .alpha.; **FSH** modulated gene  
 expression and uses thereof in drug **screening**)
- IT Chaperonins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (subunit 4; **FSH** modulated gene expression and uses thereof in  
 drug **screening**)
- IT Agglutinins and Lectins  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (.beta.-galactoside binding; **FSH** modulated gene expression  
 and uses thereof in drug **screening**)
- IT 9031-72-5, Alcohol dehydrogenase 50864-48-7, Sphingosine kinase  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (1; **FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT 145266-99-5, Metalloproteinase inhibitor

- RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(2; **FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT 79747-53-8, Tyrosine phosphatase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(70Z-PEP; **FSH** modulated gene expression and uses thereof in  
drug **screening**)
- IT 9012-42-4, Adenylate cyclase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(7; **FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT 37211-76-0, Asparaginyl-trna synthetase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(DED81; **FSH** modulated gene expression and uses thereof in  
drug **screening**)
- IT 9000-97-9, Glutamate-oxaloacetateTransaminase 9001-64-3, Malate  
dehydrogenase 9003-99-0, Thioredoxin peroxidase 9012-96-8 9023-44-3,  
Tryptophanyl-tRNA synthetase 9023-69-2, Asparagine synthetase  
9023-70-5, Glutamine synthetase 9027-46-7, Acetyl-CoA Acetyltransferase  
9028-04-0, NADH-ubiquinone oxidoreductase 9031-15-6, Leucyl-tRNA  
synthetase 9035-39-6, Cytochrome B5 9035-74-9, Glycogen phosphorylase  
9059-22-7, Heme oxygenase 9059-37-4, Nucleoside phosphorylase  
56467-83-5, Ceramidase 80295-34-7, Complement C1R 80295-35-8,  
Complement cls 80295-40-5, Complement C2 142298-80-4, Cystatin 3  
150605-49-5, Palmitoyl-protein thioesterase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(**FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT 9068-41-1  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(I; **FSH** modulated gene expression and uses thereof in drug  
**screening**)
- IT 9035-82-9, Dehydrogenase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(NAD-dependent methylenetetrahydrofolated; **FSH** modulated gene  
expression and uses thereof in drug **screening**)
- IT 9002-68-0, **FSH**  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(analog 024; **FSH** modulated gene expression and uses thereof  
in drug **screening**)
- IT 66575-29-9, Forskolin  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(for modulating gene expression in Y-1 cells; **FSH** modulated  
gene expression and uses thereof in drug **screening**)
- IT 141436-78-4, Protein kinase C  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(inhibitor; **FSH** modulated gene expression and uses thereof in  
drug **screening**)
- IT 9001-03-0, Carbonic anhydrase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(isoenzyme VI precursor; **FSH** modulated gene expression and  
uses thereof in drug **screening**)
- IT 9029-83-8, Serine hydroxymethyltransferase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(mitochondrial; **FSH** modulated gene expression and uses  
thereof in drug **screening**)
- IT 175942-96-8, GenBank W08432 175995-02-5, GenBank W09957 176012-23-0,  
GenBank W11665 176013-10-8, GenBank W11535 176014-21-4, GenBank W11916  
176014-53-2, GenBank W11926 176061-85-1, GenBank W13528 176113-29-4,  
GenBank W15888 176116-87-3, GenBank W16247 176150-25-7, GenBank W18585  
176151-73-8, GenBank W18735 176421-36-6, GenBank W29492 176562-54-2,  
GenBank W34061 176568-56-2, GenBank W34474 176569-21-4, GenBank W34722  
176814-07-6, GenBank W41459 176819-85-5, GenBank W40994 176823-32-8,

GenBank W41878 176874-83-2, GenBank W43938 176990-05-9, GenBank W49048  
 177006-39-2, GenBank W50706 177220-25-6, GenBank W53959 177225-66-0,  
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 194883-60-8, GenBank AA538243 194956-74-6, GenBank AA542348



194975-87-6, GenBank AA543913 223853-50-7, GenBank Ai323194  
223853-70-1, GenBank Ai323214 223896-49-9, GenBank Ai327498  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(nucleotide sequence; **FSH** (**FSH**) modulated gene  
expression and uses thereof in drug **screening**)

- IT 37237-43-7, Glycoprotein galactosyltransferase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.alpha.1,3; **FSH** modulated gene expression and uses thereof  
in drug **screening**)
- IT 50812-37-8, Glutathione S transferase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.alpha.3; **FSH** modulated gene expression and uses thereof in  
drug **screening**)
- IT 131384-38-8  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.alpha.; **FSH** modulated gene expression and uses thereof in  
drug **screening**)
- IT 75922-89-3, Pyrroline-5-carboxylate synthetase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.delta.; **FSH** modulated gene expression and uses thereof in  
drug **screening**)

L61 ANSWER 3 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:453262 HCAPLUS

DN 135:56937

TI Human and rat anterior pituitary hormone-like protein VH098489

IN Hinuma, Shuji; Fukusumi, Shoji; Fujii, Ryo; Hosoya, Masaki

PA Takeda Chemical Industries, Ltd., Japan

SO PCT Int. Appl., 107 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

IC C12N015-16; C07K014-59; C12P021-02; C12Q001-68; C12N001-15; C12N001-19;  
C12N001-21; C12N005-00; A61K045-00; A61P009-12; A61P009-04; A61P037-04;  
G01N033-15; G01N033-50; G01N033-53

CC 3-3 (Biochemical **Genetics**)

Section cross-reference(s): 2, 6, 13

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2001044475	A1	20010621	WO 2000-JP8896	20001215 <--
	W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2001018913	A5	20010625	AU 2001-18913	20001215 <--
	JP 2001299362	A2	20011030	JP 2000-382474	20001215 <--
	EP 1239039	A1	20020911	EP 2000-981749	20001215 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	JP 1999-358707	A	19991217	<--	
	JP 2000-46825	A	20000218	<--	
	WO 2000-JP8896	W	20001215		

AB CDNAs for novel polypeptides VH098489 from human and rat with sequence homol. to anterior pituitary hormones (LT, **FSH**, TSH, etc.), recombinant expression, and a method and reagent kits for screening agonists/antagonists as drug candidates, are disclosed. Cloning. Antibodies against this polypeptide, as diagnostic reagent, antisense DNA,

are claimed. Cloning and recombinant expression in E. coli and CHO cells, are described.

- ST anterior pituitary hormone protein VH098489 cDNA sequence human rat
- IT Animal cell line
  - (CHO, recombinant expression; human and rat anterior pituitary hormone-like protein VH098489)
- IT Proteins, specific or class
  - RL: ARU (Analytical role, unclassified); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
  - (VH098489; human and rat anterior pituitary hormone-like protein VH098489)
- IT Diagnosis
  - (agents; human and rat anterior pituitary hormone-like protein VH098489)
- IT Pituitary hormones
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (anterior; human and rat anterior pituitary hormone-like protein VH098489)
- IT **Drug screening**
  - Molecular cloning
  - Protein sequences
  - Rat
  - Test kits
  - cDNA sequences
  - (human and rat anterior pituitary hormone-like protein VH098489)
- IT Antibodies
  - RL: ARG (Analytical reagent use); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)
  - (human and rat anterior pituitary hormone-like protein VH098489)
- IT Antisense DNA
  - RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
  - (human and rat anterior pituitary hormone-like protein VH098489)
- IT Escherichia coli
  - (recombinant expression; human and rat anterior pituitary hormone-like protein VH098489)
- IT 346004-27-1P, Protein VH098489 (human) 346004-29-3P, 25-130-Protein VH098489 (human) 346004-31-7P, Protein VH098489 (rat) 346004-33-9P, 24-129-Protein VH098489 (rat)
  - RL: ARU (Analytical role, unclassified); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
  - (amino acid sequence; human and rat anterior pituitary hormone-like protein VH098489)
- IT 346004-28-2, DNA (human protein VH098489 cDNA) 346004-30-6 346004-32-8, DNA (rat protein VH098489 cDNA) 346004-34-0
  - RL: BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process); USES (Uses)
  - (nucleotide sequence; human and rat anterior pituitary hormone-like protein VH098489)
- IT 346008-77-3 346008-78-4 346008-79-5, 8: PN: WO0144475 SEQID: 8 unclaimed DNA 346008-80-8 346008-81-9 346008-82-0 346008-83-1
  - RL: PRP (Properties)
  - (unclaimed nucleotide sequence; human and rat anterior pituitary hormone-like protein VH098489)
- IT **79030-14-1**
  - RL: PRP (Properties)
  - (unclaimed protein sequence; human and rat anterior pituitary

hormone-like protein VH098489)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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L61 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:603861 HCAPLUS

DN 133:276538

TI Discovery of new inducible genes in in vitro decidualized human endometrial stromal cells using microarray technology

AU Popovici, Roxana M.; Kao, Lee-Chuan; Giudice, Linda C.

CS Division of Reproductive Endocrinology and Infertility, Department of Gynecology and Obstetrics, Stanford University Medical Center, Stanford, CA, 94305, USA

SO Endocrinology (2000), 141(9), 3510-3513

CODEN: ENDOAO; ISSN: 0013-7227

PB Endocrine Society

DT Journal

LA English

CC 2-4 (Mammalian Hormones)

Section cross-reference(s): 3, 15

AB A prerequisite for implantation in humans is differentiation (decidualization) of stromal cells in the endometrium, believed to be stimulated by progesterone (P) and/or cAMP. In the current study, advances in microarray technol. have allowed us to investigate genes differentially expressed in human endometrial stromal cells decidualized in vitro in response to P or cAMP, compared to non-decidualized cells. Endometrial stromal cells were isolated from endometrial biopsy tissue and cultured without steroid hormones, with 1 .mu.M P (after E2 priming), or 1 mM 8-bromo-cAMP. Total RNA was isolated and reverse transcribed to synthesize 32P-labeled cDNA probes using primers corresponding to genes represented on the Clontech Human Atlas cDNA Expression Array. After hybridization, signals were quantified by phosphor imaging densitometry and were normalized to GAPDH and ubiquitin. Of the 588 genes **screened**, marked upregulation was obsd. of cytokines, growth factors, nuclear transcription factors, members of the cyclin family, and mediators of the cAMP signal transduction pathway. Addnl. mRNAs expressed unexpectedly and regulated by P and cAMP, include the insulin receptor, some neurotransmitter receptors, neuromodulators, the **FSH** receptor, inhibin/activin .beta.A subunit, inhibin .alpha., and TNF-related apoptosis-inducing ligand (TRAIL). Expression of previously unrecognized genes regulated in decidualized human endometrial stromal cells suggests mechanisms not yet appreciated in the endometrium during decidualization. In addn., marked upregulation of cytokines, chemokines, growth factors, apoptosis modulators, and their receptors in decidualized stromal cells supports a major role for paracrine interactions between the stroma and other endogenous and transient cell populations within the endometrium and during early pregnancy.

ST decidualization endometrium stroma gene expression progesterone cAMP; microarray technol gene expression decidualization progesterone cAMP

IT Uterus

(decidua; progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)

IT Uterus

(endometrium, stroma; progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)

- IT **Gene, animal**  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (expression; progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)
- IT Cell differentiation  
 Genetic methods  
 Signal transduction, biological  
 Transcription, genetic  
 (progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)
- IT Cyclins  
 Cytokines  
**FSH receptors**  
 Growth factors, animal  
 Insulin receptors  
 Neurotransmitter receptors  
 Transcription factors  
 RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)  
 (progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)
- IT 57-83-0, Progesterone, biological studies 60-92-4, CAMP  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)
- IT 9002-68-0, FSH 9004-10-8, Insulin, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)
- IT 57285-09-3, Inhibin 114949-22-3, Activin  
 RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)  
 (progesterone and cAMP inducible gene expression in decidualized human endometrial stromal cells discovery by using microarray technol.)

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- (22) Telgmann, R; Endocrinology 1997, V138, P929 HCAPLUS
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L61 ANSWER 5 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:592846 HCAPLUS

DN 133:173007

TI Non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ

IN Harrington, John J.; Sherf, Bruce; Rundlett, Stephen

PA Athersys, Inc., USA

SO PCT Int. Appl., 241 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N015-67

ICS C12N015-85; C12N015-63; C12Q001-68; C12N015-10; C12N015-62;

G01N033-50

CC 3-1 (Biochemical Genetics)

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000049162	A2	20000824	WO 2000-US4429	20000222 <--
	WO 2000049162	A3	20001228		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 6410266	B1	20020625	US 2000-479122	20000107 <--
	US 6361972	B1	20020326	US 2000-481375	20000110 <--
	EP 1155131	A2	20011121	EP 2000-908750	20000222 <--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRAI	US 1999-253022	A	19990219	<--	
	US 1999-263814	A	19990308	<--	
	US 1999-276820	A	19990326	<--	
	US 1997-941223	B2	19970926	<--	
	US 1998-159643	B2	19980924	<--	
	WO 2000-US4429	W	20000222	<--	

AB The present invention is directed generally to activating gene expression or causing over-expression of a gene by recombination methods in situ. The invention also is directed generally to methods for expressing an endogenous gene in a cell at levels higher than those normally found in the cell. In one embodiment of the invention, expression of an endogenous gene is activated or increased following integration into the cell, by non-homologous or illegitimate recombination, of a regulatory sequence that activates expression of the gene. In another embodiment, the expression of the endogenous gene may be further increased by co-integration of one or more amplifiable markers, and selecting for increased copies of the one or more amplifiable markers located on the integrated vector. In another embodiment, the invention is directed to activation of endogenous genes by non-targeted integration of specialized activation vectors, which are provided by the invention, into the genome of a host cell. The invention also provides methods for the identification, activation, isolation, and/or expression of genes undiscoverable by current methods since no target sequence is necessary for integration. The invention also provides methods for isolation of nucleic acid mols. (particularly cDNA mols.) encoding a variety of proteins, including transmembrane proteins, and for isolation of cells expressing such transmembrane proteins which may be heterologous

transmembrane proteins. The invention also is directed to isolated genes, gene products, nucleic acid mols., to compns. comprising such genes, gene products and nucleic acid mols., and to vectors and host cells comprising such genes and nucleic acid mols., that may be used in a variety of therapeutic and diagnostic applications. Thus, by the present invention, endogenous genes, including those assocd. with human disease and development, may be activated and isolated without prior knowledge of the sequence, structure, function, or expression profile of the genes.

- ST gene activation nontargeted recombination vector
- IT Bone morphogenetic proteins
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (2; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Bone morphogenetic proteins
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (7; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Proteins, specific or class
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (A, hapten conjugated to nucleic acid primer; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Genetic vectors
  - (BAC and PAC; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Proteins, specific or class
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (G, hapten conjugated to nucleic acid primer; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Transferrins
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (apo-, hapten conjugated to nucleic acid primer; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Receptors
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (cell surface; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT YAC (yeast artificial chromosome)
  - (cloning vector; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Proteins, specific or class
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (cytoskeleton-assocd.; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Proteins, specific or class
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (endotoxin-neutralizing, hapten conjugated to nucleic acid primer; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Genetic element
  - RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
  - (exon; non-targeted activation of endogenous gene expression or

- over-expression by recombination methods in situ)

IT Proteins, specific or class

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(extracellular matrix-assocd., hapten conjugated to nucleic acid primer; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Ankyrins

Antibodies

Antigens

Avidins

Cytokine receptors

Cytokines

Enzymes, biological studies

Fibrinogens

Immunoglobulin receptors

Insulin receptors

Integrins

Lipopolysaccharides

Spectrins

Transferrin receptors

Transferrins

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(hapten conjugated to nucleic acid primer; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Primers (nucleic acid)

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(hapten-conjugated; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Amphibian (Amphibia)

Animal cell

Annelid (Annelida)

Bird (Aves)

Fish

Fungi

Insect (Insecta)

Plant cell

Reptile

Yeast

(host; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Promoter (genetic element)

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(immediate early, cytomegalovirus, vector contg.; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Ionizing radiation

(improved frequency and randomness of DNA integration; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Complement

RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP

(Preparation)

(inhibitor; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Codons

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(initiation, vector contg.; non-targeted activation of endogenous gene

- expression or over-expression by recombination methods in situ)
- IT Antigens
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (large T, promoter for, vector contg.; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Animal cell
  - (mammalian, host; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Cosmids
  - Drug screening**
  - Genetic vectors
  - Molecular cloning
  - Plasmid vectors
  - Virus vectors
  - (non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT CD antigens
  - Hepatocyte growth factor
  - Interleukin 10
  - Interleukin 11
  - Interleukin 12
  - Interleukin 13
  - Interleukin 14
  - Interleukin 2
  - Interleukin 3
  - Interleukin 4
  - Interleukin 6
  - Interleukin 8
  - Ion channel
  - Lactoferrins
  - Leukemia inhibitory factor
  - Lipoprotein receptors
  - Platelet-derived growth factors
  - Stem cell factor
  - Thrombomodulin
  - Tumor necrosis factors
  - RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
  - (non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT **Gene**
  - RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
  - (non-targeted activation of endogenous gene **expression** or over-**expression** by recombination methods in situ)
- IT Multidrug resistance
  - (selectable marker encoded by vector; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Chimeric gene
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (selectable marker; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Genetic markers
  - (selectable; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)
- IT Genetic element
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (signal sequence, vector contg.; non-targeted activation of endogenous gene expression or over-expression by recombination methods in situ)



- IT Genetic element  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(splice donor, vector contg.; non-targeted activation of endogenous  
gene expression or over-expression by recombination methods in situ)
- IT Proteins, specific or class  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)  
(transmembrane; non-targeted activation of endogenous gene expression  
or over-expression by recombination methods in situ)
- IT Recombination, genetic  
(transposition, signal for, vector contg.; non-targeted activation of  
endogenous gene expression or over-expression by recombination methods  
in situ)
- IT Human herpesvirus 4  
Simian virus 40  
(vector construct contg. origin of replication of; non-targeted  
activation of endogenous gene expression or over-expression by  
recombination methods in situ)
- IT Promoter (genetic element)  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(vector contg.; non-targeted activation of endogenous gene expression  
or over-expression by recombination methods in situ)
- IT Interferons  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)  
(.alpha.; non-targeted activation of endogenous gene expression or  
over-expression by recombination methods in situ)
- IT Actins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.beta.-, promoter for, vector contg.; non-targeted activation of  
endogenous gene expression or over-expression by recombination methods  
in situ)
- IT Transforming growth factors  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)  
(.beta.-; non-targeted activation of endogenous gene expression or  
over-expression by recombination methods in situ)
- IT Interferons  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)  
(.beta.; non-targeted activation of endogenous gene expression or  
over-expression by recombination methods in situ)
- IT Interferons  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)  
(.gamma.; non-targeted activation of endogenous gene expression or  
over-expression by recombination methods in situ)
- IT 9000-94-6P, Antithrombin III 9001-24-5P, Blood-coagulation factor V  
9001-25-6P, Blood-coagulation factor VII 9001-27-8P, Blood-coagulation  
factor VIII 9001-28-9P, Blood-coagulation factor IX 9001-29-0P,  
Blood-coagulation factor X 9001-42-7P, .alpha.-Glucosidase 9002-61-3P,  
Chorionic gonadotropin 9002-64-6P, Parathyroid hormone  
9002-68-0P, Follicle stimulating  
hormone 9002-72-6P, Growth hormone 9004-10-8P, Insulin,  
preparation 9007-92-5P, Glucagon, preparation 9014-42-0P,  
Thrombopoietin 9039-53-6P, Urokinase 9041-92-3P, .alpha.1-Antitrypsin  
9061-61-4P, Nerve growth factor 11096-26-7P, Erythropoietin  
37228-64-1P, Glucocerebrosidase 60202-16-6P, Protein C 61912-98-9P,  
Insulin-like growth factor 62031-54-3P, Fibroblast growth factor  
62229-50-9P, Epidermal growth factor 81627-83-0P, Macrophage  
colony-stimulating factor 83869-56-1P, GM-CSF 106096-92-8P

118549-37-4P, Insulinotropin 130939-66-1P, Neurotropin-3 139639-23-9P,  
Tissue plasminogen activator 141436-78-4P, Protein kinase C  
143011-72-7P, Granulocyte-colony stimulating factor 148348-15-6P,  
Fibroblast growth factor 7

RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)

(non-targeted activation of endogenous gene expression or  
over-expression by recombination methods in situ)

IT 58-85-5D, Biotin, hapten conjugated to nucleic acid primer 1404-26-8D,  
Polymyxin B, hapten conjugated to nucleic acid primer 1672-46-4D,  
Digoxigenin, hapten conjugated to nucleic acid primer 9004-10-8D,  
Insulin, hapten conjugated to nucleic acid primer, biological studies  
9013-20-1D, Streptavidin, hapten conjugated to nucleic acid primer  
80804-53-1D, Complement C3bi, hapten conjugated to nucleic acid primer  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(non-targeted activation of endogenous gene expression or  
over-expression by recombination methods in situ)

IT 57-88-5P, Cholesterol, preparation  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP  
(Preparation)

(receptors; non-targeted activation of endogenous gene expression or  
over-expression by recombination methods in situ)

IT 9002-03-3, Dihydrofolate reductase 9002-06-6, Thymidine kinase  
9012-49-1, Aspartate transcarbamylase 9016-12-0, Hypoxanthine  
phosphoribosyltransferase 9023-70-5, Glutamine synthetase 9024-93-5,  
Dihydroorotase 9026-23-7, Carbamyl phosphate synthase 9026-93-1,  
Adenosine deaminase 9028-27-7, Histidinol dehydrogenase 37350-22-4,  
Xanthine-guanine phosphoribosyltransferase 62213-36-9, Neomycin  
phosphotransferase 87110-39-2, Puromycin acetyltransferase  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(selectable marker encoded by vector; non-targeted activation of  
endogenous gene expression or over-expression by recombination methods  
in situ)

L61 ANSWER 6 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:68561 HCAPLUS

DN 132:117964

TI Identification and characterization of multiple splice variants of the  
mouse .kappa.3 opioid receptor gene KOR-3 and the identification of  
effectors for the receptor isoforms

IN Pasternak, Gavril; Pan, Ying-Xian

PA Memorial Sloan-Kettering Cancer Center, USA

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N015-12

ICS C07K014-705; G01N033-50; A61K067-027; C07K016-28

CC 2-8 (Mammalian Hormones)

Section cross-reference(s): 1, 3

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000004151	A2	20000127	WO 1999-US15977	19990715 <--
	WO 2000004151	A3	20000713		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,  
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,  
UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2336219	AA	20000127	CA 1999-2336219	19990715 <--
AU 9949965	A1	20000207	AU 1999-49965	19990715 <--
EP 1097204	A2	20010509	EP 1999-934046	19990715 <--

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO

PRAI US 1998-93002P P 19980716 <--  
 WO 1999-US15977 W 19990715 <--

AB Novel splice variant forms of the mouse .kappa.3 opioid receptor receptor gene KOR-3 and the corresponding receptor isoforms are described. Methods of **screening** for effectors of the splice variant activities for therapeutic use are also described. Regulation of the KOR-3 splice variant activities may impact the physiol. processes of analgesia and wt. management. Four isoforms of the receptor (3, 3a, 3b, and 3c) were identified in mouse brain with each showing different tissue distributions.

ST opioid receptor kappa3 splicing isoforms; opiate agonist antagonist **screening** receptor splicing isoforms

IT Brain  
 (KOR-3 splicing isoforms in; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

IT Gene, animal  
 RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
 (KOR-3; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

IT Antisense DNA  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (as antagonist of opioid receptor isoforms; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

IT Brain  
 (central gray substance, KOR-3 splicing isoforms in; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

IT Brain  
 (corpus striatum, KOR-3 splicing isoforms in; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

IT Brain  
 (cortex, KOR-3 splicing isoforms in; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

IT **Drug screening**  
 (for effectors of opioid receptors isoforms; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

IT cDNA sequences  
 (for opioid receptor splicing isoforms of mouse, rat and human; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

- IT Brain
  - (hypothalamus, KOR-3 splicing isoforms in; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT RNA splicing
  - (identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Diagnosis
  - (mol., of neuroendocrine disorders; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Endocrine system
  - (neuroendocrine system, disease, diagnosis of; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Protein sequences
  - (of opioid receptor splicing isoforms of mouse, rat and human; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Neurotransmitters
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (opioid receptor isoforms and release of; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Opioid antagonists
  - (opioid receptor isoforms and **screening** for; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Opioids
  - RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (opioid receptor isoforms and **screening** for; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Analgesia
  - (regulation of; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Combinatorial library
  - (**screening** for ligands for opioid receptor; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Analgesics
  - (**screening** for ligands for opioid receptors as; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Brain
  - (stem, KOR-3 splicing isoforms in; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT Brain
  - (thalamus, KOR-3 splicing isoforms in; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)

- isoforms)
- IT Opioid receptors  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(.kappa.3-opioid; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT 256322-45-9 256322-46-0 256322-47-1 256322-48-2 256322-49-3  
256322-50-6 256322-51-7  
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(amino acid sequence; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT 57-27-2, Morphine, biological studies 62-67-9, Nalorphine 77-07-6, Levorphanol 359-83-1, Pentazocine 14357-78-9, Diprenorphine 14521-96-1, Etorphine 16590-41-3, Naltrexone 20594-83-6, Nalbuphine 36292-66-7, Ethylketocyclazocine 42408-82-2, Butorphanol 56030-54-7, Sufentanil 58569-55-4, Met enkephalin 58822-25-6, Leu enkephalin 60617-12-1, .beta.-Endorphin 67198-13-4, U50488 72782-05-9, .beta.-Funaltrexamine 75644-90-5 75684-07-0, Bremaazocine 78123-71-4, DAMGO 82824-01-9, Naloxonazine 84931-73-7, Neoendorphin 85006-82-2, Dynorphin B 87151-85-7, Spiradolone 88161-22-2, Dynorphin A 88373-73-3 96744-75-1, U69593 103429-31-8, CTOP 111555-53-4, Naltrindole 119630-94-3, Naloxone Benzoylhydrazone  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(as ligand for opioid receptor isoforms; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT 158410-54-9, GenBank U09421 172178-04-0, GenBank U32939 218528-10-0  
256322-52-8 256322-53-9 256322-54-0 256322-55-1 256322-56-2  
256322-57-3  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
(nucleotide sequence; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT 50-23-7, Cortisol 51-61-6, Dopamine, biological studies 51-84-3, Acetylcholine, biological studies 58-22-0, Testosterone 9002-60-2, Adrenocorticotropin, biological studies 9002-62-4, Prolactin, biological studies 9002-67-9, Luteinizing hormone 9002-68-0, **Follicle stimulating hormone** 9002-72-6, Growth hormone 9015-71-8, Corticotropin releasing factor 9034-40-6, Gonadotropin-releasing hormone  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(opioid receptor isoforms and release of; identification and characterization of multiple splice variants of mouse .kappa.3 opioid receptor gene KOR-3 and identification of effectors for receptor isoforms)
- IT 256323-18-9, 16: PN: WO0004151 PAGE: 29 unclaimed DNA 256323-19-0, 17: PN: WO0004151 PAGE: 29 unclaimed DNA 256323-20-3, 18: PN: WO0004151 PAGE: 30 unclaimed DNA 256323-21-4, 19: PN: WO0004151 PAGE: 30 unclaimed DNA 256323-22-5, 20: PN: WO0004151 PAGE: 30 unclaimed DNA  
RL: PRP (Properties)  
(unclaimed nucleotide sequence; identification and characterization of multiple splice variants of the mouse .kappa.3 opioid receptor gene KOR-3 and the identification of effectors for the receptor isoforms)

AN 2000:68481 HCAPLUS  
 DN 132:132777  
 TI Multiple splice variants of the murine .mu.1-opioid receptor gene  
 IN Pasternak, Gavril; Pan, Ying-Xian  
 PA Memorial Sloan-Kettering Cancer Center, USA  
 SO PCT Int.. Appl., 83 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM C07K014-00  
 CC 2-8 (Mammalian Hormones)  
 Section cross-reference(s): 3, 63

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000004046	A2	20000127	WO 1999-US15974	19990715 <--
	WO 2000004046	A3	20001012		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2335277	AA	20000127	CA 1999-2335277	19990715 <--
	AU 9951027	A1	20000207	AU 1999-51027	19990715 <--
	EP 1097207	A2	20010509	EP 1999-935575	19990715 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2002077285	A1	20020620	US 2001-761962	20010117 <--
PRAI	US 1998-92980P	P	19980716	<--	
	WO 1999-US15974	W	19990715	<--	
AB	The present invention encompasses novel splice variant forms of the .mu.-opioid receptor-1 (MOR-1) and the polynucleotide sequences encoding the MOR-1 splice variants. Eleven new exons for the MOR-1 gene have been identified, which combine to yield 15 novel MOR-1 splice variant polynucleotides. The gene coding MOR-1 is localized to mouse chromosome 10. MOR-1c is the predominant isoform in all of the brain regions examd., but the relative expression of the other variants varied widely. The invention further encompasses methods of <b>screening</b> for comps. regulating the MOR-1 splice variant activities and the development of therapeutic modalities directed to regulating activity. Regulation of the MOR-1 splice variant activities may impact the physiol. processes of analgesia and wt. management.				
ST	mu opioid receptor gene splice variant mouse; sequence mu opioid receptor gene mouse				
IT	Brain				
	(central gray substance, regional distribution of expression; multiple splice variants of the murine .mu.1-opioid receptor gene)				
IT	Brain				
	(cerebellum, regional distribution of expression; multiple splice variants of the murine .mu.1-opioid receptor gene)				
IT	Brain				
	(cerebral cortex, regional distribution of expression; multiple splice variants of the murine .mu.1-opioid receptor gene)				
IT	Brain				
	(corpus striatum, regional distribution of expression; multiple splice variants of the murine .mu.1-opioid receptor gene)				
IT	cDNA sequences				
	(for multiple splice variants of the murine .mu.1-opioid receptor gene)				
IT	Diagnosis				
	(mol.; multiple splice variants of the murine .mu.1-opioid receptor				

- gene)
- IT Chromosome  
(mouse 10, gene mapping on; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT **Drug screening**  
Genetic mapping  
Molecular cloning  
Mouse  
Plasmid vectors  
RNA splicing  
(multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Gene, animal  
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)  
(multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Antisense oligonucleotides  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT DNA sequences  
Protein sequences  
(of multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Hormones, animal, biological studies  
Neurotransmitters  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(opioid **screening** by effects on neuroendocrine hormone levels; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Brain  
Spinal cord  
(regional distribution of expression; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Analgesia  
Body weight  
(regulation of; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Opioids  
RL: ANT (Analyte); ANST (Analytical study)  
(**screening** for activity of; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Brain  
(stem, regional distribution of expression; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Brain  
(thalamus, regional distribution of expression; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT Opioid receptors  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(.mu.-opioid, .mu.1, .mu.-opioid, .mu.1; multiple splice variants of the murine .mu.1-opioid receptor gene)
- IT 159036-67-6 245509-99-3 245510-00-3 245510-01-4 255839-94-2  
255839-95-3 256434-21-6, .mu.1-Opioid receptor (mouse isoform G)  
256434-22-7, .mu.1-Opioid receptor (mouse isoform H) 256434-23-8,  
.mu.1-Opioid receptor (mouse isoform F) 256434-24-9, .mu.1-Opioid  
receptor (mouse isoform B-II) 256434-25-0, .mu.1-Opioid receptor (mouse  
isoform A) 256434-26-1, .mu.1-Opioid receptor (mouse isoform B-I)  
256447-32-2  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(amino acid sequence; multiple splice variants of the murine .mu.1-opioid receptor gene)

IT 170551-32-3 237053-30-4 237053-31-5 239429-55-1 256434-08-9  
 256434-09-0 256434-10-3 256434-11-4 256434-12-5 256434-14-7  
 256434-15-8 256434-16-9 256434-17-0 256434-18-1 256434-19-2  
 256434-20-5

RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)  
 (nucleotide sequence; multiple splice variants of the murine .mu.1-opioid receptor gene)

IT 50-23-7 51-61-6, biological studies 51-84-3, biological studies  
 58-22-0 9002-60-2, Corticotropin, biological studies 9002-62-4, Prolactin, biological studies 9002-67-9, Luteinizing hormone  
**9002-68-0, Follicle-stimulating hormone** 9002-72-6, Somatotropin 9015-71-8, Corticotropin-releasing factor 9034-40-6, Luteinizing hormone-releasing factor

RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
 (opioid **screening** by effects on neuroendocrine hormone levels; multiple splice variants of the murine .mu.1-opioid receptor gene)

IT 62-67-9 76-99-3 77-07-6 359-83-1 437-38-7 465-65-6 14357-78-9  
 14521-96-1 16590-41-3 20594-83-6 36292-66-7 42408-82-2  
 56030-54-7 58569-55-4, 1-5-Adrenorphin (human) 58822-25-6, 1-5-.beta.-Neoendorphin (human) 60617-12-1, .beta.-Endorphin  
 67198-13-4 69671-17-6, .alpha.-Neoendorphin 72782-05-9 75644-90-5  
 75684-07-0 78123-71-4 82824-01-9 85006-82-2, Dynorphin B  
 87151-85-7 88161-22-2, Dynorphin A 88373-73-3 96744-75-1  
 103429-31-8 111555-53-4

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (pharmacol. binding profile; multiple splice variants of the murine .mu.1-opioid receptor gene)

IT 57-27-2, biological studies

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)  
 (regulation of morphine analgesia; multiple splice variants of the murine .mu.1-opioid receptor gene)

IT 256434-30-7, 14: PN: WO0004046 PAGE: 31 unclaimed DNA 256434-31-8, 15: PN: WO0004046 PAGE: 32 unclaimed DNA 256434-32-9, 16: PN: WO0004046 PAGE: 32 unclaimed DNA 256434-33-0, 17: PN: WO0004046 PAGE: 32 unclaimed DNA 256434-34-1, 18: PN: WO0004046 PAGE: 33 unclaimed DNA 256434-35-2, 19: PN: WO0004046 PAGE: 33 unclaimed DNA 256434-36-3, 20: PN: WO0004046 PAGE: 33 unclaimed DNA 256434-37-4, 22: PN: WO0004046 PAGE: 34 unclaimed DNA

RL: PRP (Properties)  
 (unclaimed nucleotide sequence; multiple splice variants of the murine .mu.1-opioid receptor gene)

IT 256227-29-9

RL: PRP (Properties)  
 (unclaimed protein sequence; multiple splice variants of the murine .mu.1-opioid receptor gene)

IT 255839-93-1 255897-19-9 255897-20-2 255897-21-3 255897-22-4  
 255897-23-5

RL: PRP (Properties)  
 (unclaimed sequence; multiple splice variants of the murine .mu.1-opioid receptor gene)

L61 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 1999:795994 HCAPLUS

DN 132:31744

TI Gene probes used for genetic profiling in healthcare **screening**



and planning  
IN Roberts, Gareth Wyn  
PA Genostic Pharma Ltd., UK  
SO PCT Int. Appl., 745 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
IC ICM C12Q001-68  
ICS C07K016-18  
CC 3-1 (Biochemical **Genetics**)  
Section cross-reference(s): 9, 13, 14  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964627	A2	19991216	WO 1999-GB1780	19990604 <--
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRAI	GB 1998-12099	A	19980606	<--	
	GB 1998-13291	A	19980620	<--	
	GB 1998-13611	A	19980624	<--	
	GB 1998-13835	A	19980627	<--	
	GB 1998-14110	A	19980701	<--	
	GB 1998-14580	A	19980707	<--	
	GB 1998-15438	A	19980716	<--	
	GB 1998-15574	A	19980718	<--	
	GB 1998-15576	A	19980718	<--	
	GB 1998-16085	A	19980724	<--	
	GB 1998-16086	A	19980724	<--	
	GB 1998-16921	A	19980805	<--	
	GB 1998-17097	A	19980807	<--	
	GB 1998-17200	A	19980808	<--	
	GB 1998-17632	A	19980814	<--	
	GB 1998-17943	A	19980819	<--	
AB	<p>There is considerable evidence that significant factor underlying the individual variability in response to disease, therapy and prognosis lies in a person's genetic make-up. There have been numerous examples relating that polymorphisms within a given gene can alter the functionality of the protein encoded by that gene thus leading to a variable physiol. response. In order to bring about the integration of genomics into medical practice and enable design and building of a technol. platform which will enable the everyday practice of mol. medicine a way must be invented for the DNA sequence data to be aligned with the identification of genes central to the induction, development, progression and outcome of disease or physiol. states of interest. According to the invention, the no. of genes and their configurations (mutations and polymorphisms) needed to be identified in order to provide crit. clin. information concerning individual prognosis is considerably less than the 100,000 thought to comprise the human genome. The identification of the identity of the core group of genes enables the invention of a design for genetic profiling technologies which comprises of the identification of the core group of genes and their sequence variants required to provide a broad base of clin. prognostic information - "genostics". The "Genostic" profiling of patients and persons will radically enhance the ability of clinicians, healthcare professionals and other parties to plan and manage healthcare provision and the targeting of appropriate healthcare resources to those deemed most in need. The use of this invention could also lead to a host of new</p>				

applications for such profiling technologies, such as identification of persons with particular work or environment related risk, selection of applicants for employment, training or specific opportunities or for the enhancing of the planning and organization of health services, education services and social services.

ST probe genetic profiling healthcare **screening**

IT Ankyrins

Calmodulins

Notch (receptor)

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1 and 2 and 3, core group of **disease-related genes**; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Angiotensin receptors

Fibrillins

Neurofibromin

Presenilins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1 and 2, core group of **disease-related genes**; **gene probes** used for genetic profiling in healthcare **screening** and planning)

IT Inositol 1,4,5-trisphosphate receptors

P-glycoproteins

Uncoupling protein

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1 and 3, core **group** of **disease-related genes**; **gene probes** used for genetic profiling in healthcare **screening** and planning)

IT Chloride channel

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1 and 5 and KB, core group of **disease-related genes**; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Annexins

Bone morphogenetic proteins

Calbindins

Keratins

Laminin receptors

Synaptobrevins

Syntaxins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1, core group of **disease-related genes**; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Keratins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(10, core group of **disease-related genes**; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Keratins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(11 and 2 and 3 and 9, core group of **disease-related genes**; gene probes used for **genetic** profiling in healthcare **screening** and planning)

IT Interleukin receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(12, core group of **disease-related genes**; gene probes used for genetic

- profiling in healthcare **screening and planning**)
- IT Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (14, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Myosins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (15 and 5A and 6 and 7A and cardiac, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (15, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (16, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (17, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (17-1A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (18, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Melatonin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (1A and 1B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Tropomyosins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (1.alpha. and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Calculi, renal  
 (2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Bone morphogenetic proteins  
 Synaptobrevins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

- IT Cyclin dependent kinase inhibitors
  - (3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins
  - Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Bone morphogenetic proteins
  - Keratins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Antigens
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (4F2 antigen, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins
  - Keratins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Laminins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5, .alpha.3 and .beta.3 and .gamma.2, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare **screening** and planning)
- IT 5-HT receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5-HT1A, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT 5-HT receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5-HT1B, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT 5-HT receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5-HT1C, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT 5-HT receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5-HT1D, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT 5-HT receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5-HT1E, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT 5-HT receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5-HT1F, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT 5-HT receptors

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT2A, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT 5-HT receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT2B, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT 5-HT receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT2C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 5-HT receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 5-HT receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT4, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT 5-HT receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 5-HT receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 5-HT receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (5-HT7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins  
 Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Bone morphogenetic proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins  
 Keratins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Apolipoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (A, A4, core group of disease-related genes; gene probes used for

- genetic profiling in healthcare **screening and planning**)
- IT Chromogranins  
Cyclins  
Glycophorins  
Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A-I, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A-II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Heat-shock proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A1 and A2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ABC (ATP-binding cassette-contg.), 7, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening and planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ABP (androgen-binding protein), core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening and planning**)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ADP/ATP carrier, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(AIM1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(AP-2 (activator protein 2), core group of disease-related genes; gene probes used **for** genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(APC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (ATO1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Apaf-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Adenosine receptors  
Adenosine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Adenosine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Adenosine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A2A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Adenosine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A2B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Adenosine receptors  
Adenosine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Apolipoproteins  
Cyclins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B-lym, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B-raf, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycophosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B23, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BCR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCA1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCA1-assocd. RING domain gene 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCA2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCD1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCD2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Bagpipe homeobox, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Bcl-x, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Disease, animal  
(Beckwith-Wiedemann syndrome, gene BWR1A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bradykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bradykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Troponins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C-C CKR-5 (cysteine-cysteine chemokine receptor 5), core group of disease-related genes; gene **probes** used for genetic profiling)



- in healthcare **screening** and planning)

IT Apolipoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (C-I, core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and **planning**)
- IT Apolipoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (C-II, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and  
**planning**)
- IT Apolipoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (C-III, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (C-reactive, core group of disease-related genes; gene probes used for  
 genetic profiling in **healthcare screening** and  
 planning)
- IT Complement receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (C5a, core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (CBF (core-binding factor), .alpha.1 and .alpha.2 and .beta., core  
 group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (CD100, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and  
**planning**)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (CD101, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (CD103, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (CD107, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (CD108, core group of disease-related genes; gene probes used for  
**genetic** profiling in healthcare screening and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(CD109, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD110, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD111, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD112, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD113, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD114, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD115, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD116, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD117, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD118, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD119, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD120, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD121, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD123, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD124, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD125, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD126, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD127, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD128, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD129, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD130, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD131, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD132, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD133, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD134, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD135, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD136, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD137, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD138, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD139, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD140, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD141, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD142, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD143, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD144, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD145, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
 (CD147, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD148, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD149, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD150, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD151, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD153, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD155, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD156, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD157, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD158, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD159, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD160, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (CD161, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD162, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD163, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD164, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD165, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD166, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD17, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD24, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD27, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD33, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD37, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD39, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT Glycoproteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD40-L (antigen CD40 ligand), core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)

- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD41, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD42, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD43, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD47, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD48, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD52, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD53, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD57, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD60, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD63, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD65, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT CD antigens

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD66, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD67, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD70, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD72, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD73, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD76, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD77, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD78, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD79, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD83, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD84, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD85, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens



- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD89, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD90, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD91, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD92, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD93, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD94, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD96, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD97, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Antigens
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD99, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CDX1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Transcription factors
- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CREB (cAMP-responsive element-binding), core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CREB-binding, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CRX, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Colony stimulating factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CSF-3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CXCR1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CXCR2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP11A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP11B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP11B2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP17, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP19, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP1A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP1A2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
 (CYP1B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP21, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP24, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP27, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP27B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2A13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2A3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2A6V2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2A7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2B6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2C18, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP2C19, core group of disease-related genes; gene probes used for

genetic profiling in healthcare **screening** and  
**planning**)

- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP2C8, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP2C9, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP2D6, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP2E1, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP2F1, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP2J2, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP3A3, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP3A4, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and  
**planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP3A5, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP3A7, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP4A11, core group of disease-related genes; gene probes used for  
genetic profiling in healthcare **screening** and  
**planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(CYP4B1, core group of disease-related genes; gene probes used for

- genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP4F2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP4F3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP51, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP5A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP7A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phagocyte  
(Chediak-Higashi syndrome, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
Cyclins  
Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Steroid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DAX-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DCC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DLX1 through DLX6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (DMBT1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DMC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DMPK, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DNA damage-binding DDB1 and DDB2, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)
- IT Enzymes, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DNA helicases, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DNA-binding, zinc finger-contg., 198 and 2 and 3 and HRX, core **group** of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DSS1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Hedgehog protein  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Desert, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Dopamine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Dopamine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Dopamine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Dopamine receptors

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Dopamine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Calbindins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D9k, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(E, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Cadherins  
Selectins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(E-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EFMR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ELF-1 (Eph ligand family-1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ELK1, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ELK2, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Cadherins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EPM2A, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT Prostanoid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EP1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening **and planning**)

- IT Prostanoid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EP2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EP3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ERBAL2, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ERCC5, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ERG, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening **and** planning)
- IT Endothelin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ETA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Endothelin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ETB, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EWS, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EYA1 and EYA2 and EYA3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EYCL3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Evi-1, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Cyclins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(F, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class



- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FABP (fatty acid-binding protein), core group of disease-related genes; gene probes **used** for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FDGDY, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FKHL10 and FKHL14 and FKHL7, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FKHR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FRAXA and FRAXE and FRAXF, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)
- IT Anemia (disease)  
(Fanconi's, complementation group A and B, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare **screening** and planning)
- IT Anemia (disease)  
(Fanconi's, complementation group C, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Flightless II, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening** and planning)
- IT Muscular dystrophy  
(Fukuyama, gene FCMD, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(G/T mismatch, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)
- IT Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(G2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
(GABA transporter, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GADD45, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GDI (GDP dissocn. inhibitor), core group of disease-related genes; gene probes **used** for genetic profiling in healthcare **screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GLI1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GLI2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GLI3, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and **planning**)
- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GNAO1 and GNB3 and GNG5 and GNAQ, core group of **disease**-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GluR1 subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GluR2 subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GluR3 subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GluR4 subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Glutamate receptors

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GluR5 subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GluR6 subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GluR7 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Goosecoid GSC, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Gil (adenylate cyclase-inhibiting, 1), core group of disease-related genes; **gene** probes used for genetic profiling in healthcare **screening and planning**)
- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Gi2 (adenylate cyclase-inhibiting, 2), core group of disease-related genes; **gene** probes used for genetic profiling in healthcare **screening and planning**)
- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Gi3 (adenylate cyclase-inhibiting, 3), core group of disease-related genes; **gene** probes used for genetic profiling in healthcare **screening and planning**)
- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Gs (adenylate cyclase-stimulating), GNAS1 and GNAS2 and GNAS3 and GNAS4, **core** group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(H, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(H-CAM (homing cell adhesion mol.), core group of disease-related genes; **gene probes** used for genetic profiling in healthcare **screening and planning**)
- IT Histones  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(H1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Histones

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(H2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histones  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(H3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histones  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(H4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HAND1 and HAND2, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening** and planning)
- IT Lipoprotein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HDL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HIF-1 (hypoxia-inducible factor 1), core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HIF-2 (hypoxia-inducible factor 2), core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-B assocd. transcript 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-DP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-DQ, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-DR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLX1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLXB9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT High-mobility group proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HMG-C and HMG-Y, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT High-mobility group proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HMG1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT High-mobility group proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HMG2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HNF-3B (hepatocyte nuclear factor 3B), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HNF-4 (hepatocyte nuclear factor 4), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOX11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXA3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXA6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXA8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXA9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXC13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXC4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXC9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (HOXD1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXD10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXD13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXD3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXD8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXD9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Blood-coagulation factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HRG (histidine-rich glycoprotein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heat-shock proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HSP 60, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heat-shock proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HSP 70, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heat-shock proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HSP 90, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT DNA formation factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HSSB, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HTS1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HVBS1 and HVBS6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Hairless, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Blood coagulation  
(Hermansky-Pudlak syndrome, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxA1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxA4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxA5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxA7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxB1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxB4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxB5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxB8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxC8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxD12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HoxD4, core group of disease-related genes; gene probes used for



- genetic profiling in healthcare **screening** and planning)
- IT Histamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Annexins  
 Synaptotagmin  
 Troponins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (I, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (I2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ICAM-1 (intercellular adhesion mol. 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ICAM-2 (intercellular adhesion mol. 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
 Cell adhesion molecules  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ICAM-3 (intercellular adhesion mol. 3), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ICCA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (IGER and IGES, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Synaptotagmin  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IKBL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IRS-1 (insulin receptor substrate 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IgE type II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IgG type I, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IgG type IIA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Ikaros, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Hedgehog protein  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Indian, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(J protein, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Potassium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(J1 and J11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Blood-group substances  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(K (Kell), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(K7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(KAI1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cyclin dependent kinase inhibitors  
(KIP2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Potassium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Kv1 (potassium channel-forming, voltage-regulated, 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Selectins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L-myc, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L13A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L17, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LAMP-1 (lysosome-assocd. membrane protein 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LAMP-2 (lysosome-assocd. membrane protein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Lipoprotein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LDL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LH-releasing hormone, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LIM homeobox proteins 1 and 2 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (LIM homeobox transcription factor 1.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LIM-domain only proteins 1 and 2 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LMP-2 (latent-infection membrane protein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LPP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LYDMA, LMP-7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Kidney, disease  
(Lowe's syndrome, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Lp(a), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulins  
Laminins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(M, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MAD homolog 2 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MADS box transcription-enhancer factor 2A and 2B and 2C and 2D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MAX-interacting protein 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MCC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MCP (membrane cofactor protein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MHC (major histocompatibility complex), class I, A and B and C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MHC (major histocompatibility complex), class II, complementation group A and B and C and D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Mucins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MUC2 and MUC5AC and MUC6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MUM1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Msh homeobox homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Muellerian-inhibiting hormone, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Dwarfism  
(Mulibrey, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Myf-3 (myogenic factor 3), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Myf-4 (myogenic factor 4), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Myf-5 (myogenic factor 5), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (M1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (M2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (M3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (M4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (M5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cadherins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (N-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (N-CAM, N-CAM-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (N-CAM, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (N-CAM-120, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (N-ras, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (NF-E1 (nuclear factor erythroid 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurofilament proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (NF-H, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurofilament proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (NF-L, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurofilament proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NF-M, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NF-.kappa.B (nuclear factor .kappa.B), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NFATc (nuclear factor, activated T-cell, cytosolic), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NFATp (nuclear factor, activated T-cell, pre-existing), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Tachykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NK1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Tachykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NK2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Tachykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NK3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NMDA-binding, type 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NMDA-binding, type 2A and 2B and 2C and 2D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Atrial natriuretic peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NPR-A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Atrial natriuretic peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NPR-B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Nervous system

- (Norrie's disease, gene NDP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Notch ligand-jagged 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Orthodenticle homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cadherins  
Selectins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Protamines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Protamines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PABP (poly(A)-binding protein), 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAC7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAC8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAX3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAX6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PECAM-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)



- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PHEX, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PMP-22 (peripheral myelin protein, 22,000-mol.-wt.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(POU box, 1 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PROX1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PVR (poliovirus receptor), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Patched homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Pax1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Pax2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Prophet of Pit1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Purinoceptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P2U, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Purinoceptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P2X, 1 through 7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Purinoceptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P2Y, 11, core group of disease-related genes; gene probes used for

- IT genetic profiling in healthcare **screening** and planning)
  - Purinoceptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (P2Y, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (R-binding, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RAG1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RAG2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoic acid receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RAR-.alpha., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoic acid receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RAR-.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoic acid receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RAR-.gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT DNA formation factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RF-A (replication factor A), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT DNA formation factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RF-C (replication factor C), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoid receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RGR (retinal G protein coupled receptor), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RIGUI, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoid X receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RXR.alpha., core group of disease-related genes; gene probes used for

- IT genetic profiling in healthcare **screening** and planning)
  - Retinoid X receptors
    - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
    - (RXR.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoid X receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (RXR.gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Rathke pouch homeobox, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Rb, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Blood-group substances
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Rh, CcEe antigens, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Rim, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (S-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (S-100, A1 through A9 and B and P, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (S19, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (S4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (S6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (S9, core group of disease-related genes; gene probes used for genetic

- profiling in healthcare **screening** and planning)

IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SA homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SAA (serum amyloid A), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SAP (SLAM-assocd. protein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SAP (serum amyloid, P), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycophosphoproteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SCP2 (hydroxy steroid-carrier protein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokines

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SDF-1.alpha. (stromal-derived factor-1.alpha.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokines

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SDF-1.beta. (stromal-derived factor-1.beta.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SF-1 (steroidogenic factor 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SGP-2 (sulfoglycoprotein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Globulins, biological studies

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SHBG (sex hormone-binding globulin), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (SLAM (signaling lymphocyte activation mol.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Guanine nucleotide exchange factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOS1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-A, A1 and A2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSEA-1 (stage-specific embryonic antigen 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSTR1, core group of disease-related genes; gene probes used for

- IT genetic profiling in healthcare **screening** and planning)  
 Somatostatin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (SSTR2, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (SSTR3, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (SSTR4, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (SSTR5, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (SSX1 and SSX2, core group of disease-related genes; gene probes used  
 for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (ST3, core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (ST8, core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (STAT1, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (STAT2, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (STAT3, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (STAT4, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (STAT5, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)
  - (Sal-like 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Slug, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Sry (sex-detg. region of chromosome Y), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Troponins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (T, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (T-BOX2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (T-BOX3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (T-BOX4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (T-BOX5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (T-BOX6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Leukemia
  - (T-cell, acute, gene TAL1 and TAL2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (TAPA-1 (target of antiproliferative antibody, 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (TATA-binding protein-assocd., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (TEL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TKCR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TRAF2 (tumor necrosis factor receptor-assocd. factor 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TRC8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TRP-1 (tyrosinase-related protein 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TSG101, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TUPLE1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Tap1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Tap2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Thy-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Tip-assocd., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Protein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Toll-like receptor 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)



- (Twist homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Usher syndrome gene USH2A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
 Cell adhesion molecules  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (VCAM-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Vasopressin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (V1, 1A and 1B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Vasopressin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (V2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (WHSC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (WT1 (Wilms' tumor suppressor 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Wnt inhibitory factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Disease, animal  
 (Wolfram syndrome, gene WFS1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (X-specific transcript, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (XPA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (XPB, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
 (XPC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (XPD, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (XPE, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (XPF, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (XRCC9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Neuropeptide Y receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Y1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Neuropeptide Y receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Y2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ZP1 (zona pellucida, 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ZP2 (zona pellucida, 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Sialoglycoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ZP3 (zona pellucida, 3), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Eye, disease  
 (achromotopsia gene ACHM2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (acidic amino acid-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (acylcarnitine-carnitine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (adaptilins, .beta.3A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (adducins, .alpha. and .beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Brain, disease  
 (adrenoleukodystrophy, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Behavior  
 (aggressive, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Amino acids, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (alkaptonuria, gene AKU, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (amino acid-transporting, gene SLC1A6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (amyloid .beta.-binding APBB1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (amyloid .beta.-like, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (anion-exchanging proteins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (antigens CD11b, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (antigens CD11c, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(antigens Mac-1 (macrophage 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(apical, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(apoptosis-regulating, ligand 1 and apoptosis-inducing factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(apoptosis-regulating, neuronal apoptosis-inhibitory, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Porins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(aquaporins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(archaete-scute homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(aryl hydrocarbon receptor nuclear-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(aspartate, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(astrotactins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Nervous system  
(ataxia telangiectasia, genes ATD and ATM, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ataxins 1 and 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (atrophin 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(attractins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(autoimmune regulator AIRE, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(axl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(azoospermia factor 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(band 4.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phospholipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(band 4.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phospholipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(band 7.2b, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bcl-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bcr-c-abl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bestrophins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bile acid-sodium-cotransporting, 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (bile salt-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT **Biotechnology**  
(**biochips**, design of GENOSTIC genechip device; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(blue cone pigment, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurotrophic factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(brain-derived, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-Ha-ras, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-Ki-ras2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-R-ras, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-abl1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-abl2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-akt1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-akt2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ems1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-erb, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-erb2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-erbA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ets-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ets-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fes, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fgr, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fos, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fps, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-gro1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-gro2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-int1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-int3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-int4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-jun, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-kit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-lco, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-lyn, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-maf, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-masl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-mcf2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-mel, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-mos, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-mpl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-myb, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(c-myc, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal



RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-ovc, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-raf, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-ralb, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-rel, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-ros, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-sis, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-ski, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-sno, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-spil, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-src, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (c-tim, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (calcium, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (calcium-sodium-exchanging, core group of disease-related genes; gene

- probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cardiac-specific homeobox CSX, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(carnitine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cartilage oligomeric matrix, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cartilage-hair hypoplasia, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(caveolins, 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cellubrevins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ceroid lipofuscinosis neuronal 2-6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cholecystokinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cholecystokinin B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Biliary tract  
(cholestasis, intrahepatic, gene FIC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cholesterol ester-exchanging, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(chondritin sulfate A-placental, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening**

- and planning)
- IT Eye, disease  
(choroideremia, gene CHM, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurotrophic factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ciliary, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Atrial natriuretic peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(clearance, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cleavage signal-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Palate  
(cleft, gene CPX, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(clk1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cochlin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cofilins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Protein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(collagen, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(collapsins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(contactins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Genetic methods  
(core genes for design and manuf. of GENOSTIC genechip device; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone, disease
- Headache
- Hemochromatosis
- Inflammation
- Mental disorder

Muscle, disease  
 Neoplasm  
 Niemann-Pick disease  
 Skin, disease  
 (core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)

IT ACTH receptors  
 Albumins, biological studies  
 Amelogenins  
 Amyloid precursor proteins  
 Androgen receptors  
 Aromatic hydrocarbon receptors  
 Arrestins  
 Benzodiazepine receptors  
 CD1 (antigen)  
 CD14 (antigen)  
 CD19 (antigen)  
 CD2 (antigen)  
 CD20 (antigen)  
 CD22 (antigen)  
 CD26 (antigen)  
 CD28 (antigen)  
 CD3 (antigen)  
 CD34 (antigen)  
 CD36 (antigen)  
 CD38 (antigen)  
 CD4 (antigen)  
 CD40 (antigen)  
 CD44 (antigen)  
 CD45 (antigen)  
 CD5 (antigen)  
 CD59 (antigen)  
 CD68 (antigen)  
 CD69 (antigen)  
 CD7 (antigen)  
 CD8 (antigen)  
 CD80 (antigen)  
 CD86 (antigen)  
 CFTR (cystic fibrosis transmembrane conductance regulator)  
 CTLA-4 (antigen)  
 Calcitonin gene-related peptide receptors  
 Calcitonin receptors  
 Calnexin  
 Calretinin  
 Cannabinoid receptors  
 Carcinoembryonic antigen  
 Cell adhesion molecules  
 Ciliary neurotrophic factor  
 Clathrin  
 Clusterin  
 Corticosteroid receptors  
 Corticotropin releasing factor receptors  
 Cyclophilins  
 Desmins  
 Dynamin  
 Dyneins  
 Dystrophin  
 Elastins  
 Epidermal growth factor receptors  
 Erythropoietin receptors  
**FSH receptors**  
 Fas antigen  
 Ferritins

Fibrinogens  
 Fibronectins  
 GTPase-activating protein  
 Galanin receptors  
 Gastrin-releasing peptide receptors  
 Gelsolin  
 Glucagon receptors  
 Glucagon-like peptide-1 receptors  
 Glucocorticoid receptors  
 Gonadotropin receptors  
 Gonadotropin-releasing hormone receptor  
 Growth factor receptors  
 Growth hormone receptors  
 Growth hormone-releasing hormone receptors  
 Hemoglobins  
 Hemopexins  
 Hepatocyte growth factor  
 Heregulins  
 Immunoglobulin receptors  
 Insulin receptors  
 Insulin-like growth factor I receptors  
 Insulin-like growth factor II receptors  
 Interleukin 1 receptor antagonist  
 Interleukin 1 receptors  
 Interleukin 10  
 Interleukin 11  
 Interleukin 13  
 Interleukin 1.alpha.  
 Interleukin 1.beta.  
 Interleukin 3  
 Interleukin 3 receptors  
 Interleukin 4  
 Interleukin 4 receptors  
 Interleukin 5  
 Interleukin 5 receptors  
 Interleukin 6  
 Interleukin 6 receptors  
 Interleukin 7  
 Interleukin 7 receptors  
 Interleukin 8  
 Interleukin 8 receptors  
 Interleukin 9  
 Intrinsic factors  
 Invariant chain (class II antigen)  
 LFA-3 (antigen)  
 Lactoferrins  
 Leptin receptors  
 Leukemia inhibitory factor  
 Leukemia inhibitory factor receptors  
 Leukosialin  
 Lymphotoxin  
 Macrophage colony-stimulating factor receptors  
 Macrophage inflammatory protein 2  
 Metallothioneins  
 Mineralocorticoid receptors  
 Moesins  
 Monocyte chemoattractant protein-1  
 Multidrug resistance proteins  
 Myelin P0 protein  
 Myelin basic protein  
 Myoglobins  
 Nerve growth factor receptors  
 Neurotensin receptors

Nicotinic receptors  
 Opioid receptors  
 Osteocalcins  
 Osteonectin  
 Osteopontin  
 Oxytocin receptors  
 Parathyroid hormone receptors  
 Parvalbumins  
 Pituitary adenylate cyclase-activating polypeptide receptor  
 Platelet-activating factor receptors  
 Platelet-derived growth factor receptors  
 Platelet-derived growth factors  
 Prion proteins  
 Progesterone receptors  
 Prolactin receptors  
 Proliferating cell nuclear antigen  
 Prostanoid receptors  
 Proteolipid protein  
 Radixin  
 Ras proteins  
 Rhodopsins  
 Ryanodine receptors  
 Secretin receptors  
 Stem cell factor  
 Sulfonylurea receptors  
 Synaptophysin  
 TCR .alpha..beta. (receptor)  
 Talin  
 Tau factor  
 Tenascins  
 Thrombin receptors  
 Thrombomodulin  
 Thrombospondins  
 Thromboxane receptors  
 Thyroglobulin  
 Thyrotropin receptors  
 Thyrotropin-releasing hormone receptors  
 Titins  
 Transcortins  
 Transferrin receptors  
 Transferrins  
 Transthyretin  
 Tubulins  
 Tumor necrosis factor receptors  
 Tumor necrosis factors  
 Urokinase-type plasminogen activator receptors  
 VIP receptors  
 Vasopressin receptors  
 Villin  
 Vimentins  
 Vinculin  
 Vitamin D receptors  
 neu (receptor)  
 p53 (protein)  
 .alpha.-Fetoproteins  
 .alpha.1-Acid glycoprotein  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)  
 IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

- (corticosteroid-binding, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cortisol, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cot, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(crk, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(crkl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cubilins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ion channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cyclic nucleotide gated .alpha.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cyclins C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cysteine-rich, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cystinosins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cytokine-suppressive antiinflammatory drug-binding 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(defender against cell death 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (Biological study); USES (Uses)  
 (deleted in azoospermia, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Mutation  
 (deletion, detection of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Mental disorder  
 (dementia, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dentin sialophosphoprotein, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (deoxycorticosterone, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Allele frequency  
 Genetic polymorphism  
 (detection of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (diaphanous 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (diastrophic dysplasia sulfate-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cardiovascular system  
 Digestive tract  
 Endocrine system  
 Respiratory tract  
 (disease, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Head  
 (disease, holoprosencephaly, gene HPE1 and HPE2 and HPE3 and HPE4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Behavior  
 Development, mammalian postnatal  
 Immunity  
 Metabolism, animal  
 Sexual behavior  
 (disorder, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dopamine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL



- (Biological study); USES (Uses)
  - (doublecortins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Enzymes, properties
  - RL: ANT (Analyte); PRP (Properties); ANST (Analytical study)
  - (drug-metabolizing, genetic variation in; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Mutation
  - (duplication, detection of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (dynorphin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (dysferlin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (dyskerins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Nervous system
  - (dystonia, genes DYT1 and DYT3 and DYT6 and DYT7 and CSE, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (dystrophin-assocd., 35,000-mol.-wt., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (dystrophin-assocd., 43,000-mol.-wt., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (dystrophin-assocd., 50,000-mol.-wt., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Initiation factors (protein formation)
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (eIF-4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (ect2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Flavoproteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (electron-transporting flavoproteins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(emerins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(empty spiracles homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(endobrevins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heart  
(endocardium, fibroelastosis 2, gene EFE2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(endometrial bleeding-assocd. factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ephrin A and B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(erythroid kruppel-like factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(exotosin 1 and 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Intestine, neoplasm  
(familial polyposis, clin. management of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(fertilin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(folate, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(folate-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(follicular lymphoma variant translocation gene FVT1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(frataxins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(fusin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ganglioside GM2-activator, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gap junction-specific, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gastrointestinal hormone receptors  
Gastrointestinal hormone receptors  
Peptide receptors  
Peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gastric inhibitory polypeptide, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gastrulation brain homeobox 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene BCL1 and BCL4 through BCL10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene BCL2-related A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cockayne's syndrome  
(gene CKN1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Deafness  
(gene DFNAS AND DDP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
 (gene ERCC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene ERCC2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene ERCC3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene ERCC4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene ERCC6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Kallmann syndrome  
 (gene KAL1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene RAD51, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene RAD52, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene RAD54, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene RAD55, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene RAD57, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Sjogren's syndrome  
 (gene SSA1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene TFE3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Wiskott-Aldrich syndrome  
 (gene WASP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Proteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene WT2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene WT4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene bcl-3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene c-erbB4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene mutL, homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene mutS, homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Genome  
Genotyping (method)  
Health  
Nucleic acid hybridization  
Prognosis  
Test kits  
(gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)  
(gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antibodies  
Probes (nucleic acid)  
RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene smoothened, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene wnt2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (gene wnt4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening **and** planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene wnt5, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene wnt7, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gene wnt8, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (geniospasm 1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (gephyrins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Neurotrophic factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (glial-derived neurotrophic factor, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Neurotrophic factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (glial-derived, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chloride channel  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (glioma CCC, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (glucose phosphate-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (glucose-transporting, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (glucose/galactose-transporting, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Transport proteins

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glutamate-transporting, 1 and 2, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glutamine-transporting, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glycine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Glycophorins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glycophorin B, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Glycophorins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glycophorin C, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glypican 3, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(green cone pigment, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(growth arrest-specific homeobox, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(growth factor receptor-bound protein 2, core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(growth-related, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(guanylate cyclase-activating 1A, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)

- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gusducin .alpha., core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Kinesins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(heavy and light chains, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hepatic 1 and 2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(heregulin, ErbB-3, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(heregulin, erbB-3, core group of disease-related genes; gene probes **used for** genetic profiling in healthcare screening and planning)
- IT Kininogens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(high-mol.-wt., core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hsl, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hs2, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(huntingtin, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hydrogen ion-sodium-exchanging, 1-5, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hydrogen ion-transporting, VPP1 and VPP3, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Embryo, animal



- (hypohidrotic ectodermal dysplasia, gene ED1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Brain, disease  
(injury, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening **and** planning)
- IT Mutation  
(insertion, detection of; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(insulin promoter factor 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(int-2, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT CD antigens  
CD antigens  
Integrins  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(integrin .alpha.7, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT CD antigens  
CD antigens  
Integrins  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(integrin .beta.5, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT CD antigens  
CD antigens  
Integrins  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(integrin .beta.7, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interferon regulatory factor 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 10 receptors, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
(interleukin 11, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 12, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 13, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 9, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Lipoprotein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(intermediate-d. lipoprotein receptors, core group of disease-related genes; gene probes **used** for **genetic** profiling in healthcare screening and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(kinectins, core group of disease-related genes; gene probes used for **genetic** profiling in **healthcare** screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(lamins, A/C, core group of disease-related genes; gene **probes** used for **genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(latent transforming growth factor-.beta.-binding 2, core group of **disease**-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(leukocyte-specific transcript 1, core group of disease-related genes; **gene** probes used for **genetic** profiling in healthcare screening and planning)
- IT Leukotriene receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(leukotriene B4, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Leukotriene receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(leukotriene D4, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(light chains, .kappa. const. and variable regions, core group of

- disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Muscular dystrophy  
 (limb-girdle, Genes LHX1 and LHX2 and LHX3 and LHX4, core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (limbic-assocd. membrane, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT **Potassium channel**  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (long QT-type 2, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (loricrins, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Lipoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (low-d., 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Lipoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (low-d., 2, core group of disease-related genes; gene probes used for **genetic profiling** in healthcare screening and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (lpsa, core group of disease-related genes; gene probes used for **genetic profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (lunatic fringe secreted, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (lymphoblastic leukemia-derived sequence 1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (lymphoid enhancer-binding factor, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Lymphokine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (lymphotoxin, core group of disease-related genes; gene probes used for **genetic profiling** in healthcare screening and planning)
- IT Cytokine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
(macrophage inflammatory protein 1.alpha. receptors, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Chemokines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(macrophage inflammatory protein, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Cytokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(macrophage inflammatory protein-2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Cytokines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(macrophage-activating factor, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Eye, disease  
(macular dystrophy, gene VMD1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(malignant proliferation MPE, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(manic fringe secreted, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Agglutinins and Lectins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mannose-binding, 1 and 2, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mannose-binding, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(marenostriins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mdm-2, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Pituitary hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (melanocortin 1, core group of disease-related genes; gene probes used  
for genetic profiling in healthcare screening and planning)
- IT Pituitary hormone receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (melanocortin 4, core group of disease-related genes; gene probes used  
for genetic profiling in healthcare screening and planning)
- IT Pituitary hormone receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (melanocortin, melanocortin 2 receptors, core group of disease-related  
genes; gene probes used for genetic profiling in healthcare  
screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (menin, core group of disease-related genes; gene probes used  
for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (mesoderm-specific transcript, core group of disease-related genes;  
gene probes used for genetic profiling in healthcare  
screening and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (met, core group of disease-related genes; gene probes used for genetic  
profiling in healthcare screening and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (microphthalmia-assocd., core group of disease-related genes; gene  
probes used for genetic profiling in healthcare screening and  
planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (microtubule-assocd., core group of disease-related genes; gene probes  
used for genetic profiling in healthcare screening and  
planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (midline 1, core group of disease-related genes; gene probes  
used for genetic profiling in healthcare screening and  
planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (mismatch repair gene PMS1 and PMS2, core group of disease-  
related genes; gene probes used for genetic profiling in  
healthcare screening and planning)
- IT Mutation
  - (missense, detection of; gene probes used for genetic profiling in  
healthcare screening and planning)
- IT Transport proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)
  - (monoamine-transporting, 1 and 2, core group of disease-related genes;  
gene probes used for genetic profiling in healthcare  
screening and planning)
- IT Transport proteins

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(monocarboxylic acid-transporting, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Lipids, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mucolipids, metabolic disorders, mucopolipidosis, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mycylins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Myeloproliferative disorders  
(myelodysplasia, gene MDS1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Lymphokines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(myeloid leukemia factor-1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(myomesins, 1 and 2, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Vision  
(myopia, genes MYP1 and MYP2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(myosin-binding C, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(myotubularins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(natural resistance-assocd. macrophage protein 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(needins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Kidney, disease  
(nephronophthisis 1 and 2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (neural retina-specific, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neurexins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Growth factors, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neurite extension factors, 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Growth inhibitors, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neurite growth inhibitors, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Protein receptors  
 Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neuronal mol.-1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neurotransmitter-transporting, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neutral amino-acid-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (neutrophil cystolic factor 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (niacin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (nibrins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (nodal, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (noggin, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)
- IT Calcium channel  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (non-voltage gated 1 .alpha. and .beta. and .gamma. and type IV  
 .alpha. and .beta., core group of disease-related genes; gene  
 probes used for genetic profiling in healthcare screening and planning)
- IT Mutation  
 (nonsense, detection of; gene probes used for genetic profiling in  
 healthcare screening and **planning**)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (norepinephrine-transporting, core group of disease-related genes; gene  
 probes used for **genetic** profiling in healthcare screening and  
 planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (nuclear mitotic app. protein 1, core group of disease-related  
**genes**; gene probes used for genetic profiling in healthcare  
 screening and planning)
- IT Albinism  
 (ocular, type 1, gene OAl, core group of disease-related genes; gene  
 probes used for genetic profiling in healthcare screening and  
 planning)
- IT Albinism  
 (oculocutaneous, gene OCA2, core group of disease-related genes; gene  
 probes used for **genetic** profiling in healthcare screening and  
 planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (oligophrenin-1, core group of disease-related genes; gene probes  
**used** for genetic profiling in healthcare screening and  
 planning)
- IT Cytokine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (oncostatin M, core group of disease-related genes; gene probes used  
 for genetic profiling in healthcare screening and planning)
- IT Protein receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (orexin 1 and 2, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (org. anion-transporting, core group of disease-related genes; gene  
 probes used for **genetic** profiling in healthcare screening and  
 planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (otoferlins, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)
- IT Cyclin dependent kinase inhibitors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (p16INK4, core group of disease-related genes; gene probes used



- IT    **for** genetic profiling in healthcare screening and planning)  
Cyclin dependent kinase inhibitors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(p21CIP1/WAF1, core group of disease-related genes; gene probes  
**used** for genetic profiling in healthcare screening and  
planning)
- IT    Cyclin dependent kinase inhibitors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(p27KIP1, core group of disease-related genes; gene probes used for  
**genetic** profiling in healthcare screening and planning)
- IT    Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(p54, core group of disease-related genes; gene probes used for genetic  
**profiling** in healthcare screening and planning)
- IT    Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(paired box homeodomain 2 and 3, core group of disease-related genes;  
**gene** probes used for genetic profiling in healthcare screening  
and planning)
- IT    Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(pancretic lipase-related 1 and 2, core group of disease-  
**related** genes; gene probes used for genetic profiling in  
healthcare screening and planning)
- IT    Paralysis  
(paraplegia, gene SPG7, core group of disease-related genes; gene  
probes used for **genetic** profiling in healthcare screening and  
planning)
- IT    Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(parkins, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)
- IT    Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(peanut-like 1, core group of disease-related genes; gene probes  
**used** for genetic profiling in healthcare screening and  
planning)
- IT    Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(pendrins, core group of disease-related genes; gene probes used for  
**genetic** profiling in healthcare screening and planning)
- IT    Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(peptide-transporting, core group of disease-related genes; gene probes  
used for **genetic** profiling in healthcare screening and  
planning)
- IT    Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(peripherins (eye rod outer segment), core group of disease-related  
**genes**; gene probes used for genetic profiling in healthcare  
screening and planning)
- IT    Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (peripherins (neuronal intermediate filament), core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (peroxisomal membrane protein 3, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (peroxisome 1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Peroxisome proliferators  
 (peroxisome biogenesis factors 1 and 6 and 7, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (phosphatase and tensin homolog, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (phosphatidylinositol transfer protein, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Glycophospholipids  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (phosphatidylinositol-contg., core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (pim-1, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (plakophilin 1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (platelet glycoprotein 1b.alpha. and 1b.beta. and 1b.delta. and IX and V, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (plectins, 1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Growth factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (pleiotrophin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Kidney, disease
  - (polycystic, gene PKHD1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (polycystins, 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (postsynaptic d.-95, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (pre-B-cell leukemia 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Disease, animal
  - (prognosis and management of; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (prohibitins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (proline-rich, BstNI subfamily 1 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Leukemia
  - (promyelocytic, gene PML, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (prosaposins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (pti-lsea, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (pvt-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (r-myc, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(rabphilins, 3A, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(rabphilins, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(radical fringe secreted, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Mutation  
(rearrangement, detection of; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT Pleiotrophins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(receptors, core group of disease-related genes; gene probes used for genetic profiling **in** healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(red cone pigment, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ret, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Eye, disease  
(retinitis pigmentosa, genes RP1 and RP2 and RP3 and RP6, core group **of** disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(retinol-binding, 1 and 2 and 4, core group of **disease**-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Eye, disease  
(retinoschisis gene RS, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Brain, neoplasm  
(rhabdoid, gene SMARCB1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(rod outer membrane segment membrane protein 1, core group of **disease**-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(semaphorin A4 and A5 and D and E and F **and** W, core group of

- disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(serotonin-transporting, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Immunodeficiency  
(severe combined, gene SCIDA, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(short stature homeobox, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(sine oculis homeobox homolog 1 and 2 and 5, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Ribonucleoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(small nuclear RNA-contg., N, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(smoothelins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(solute carrier family, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Hedgehog protein  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(sonic, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(sorcin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(sperm adhesion mol., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Nervous system  
(spinocerebellar ataxia, gene SCA8, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Mutation  
(splice site, detection of; gene probes used for genetic profiling in

- healthcare screening and planning)
- IT Enzymes, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (stratum corneum chymotryptic, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (surfeit 1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (survival of motor neuron 1, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Phosphoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (synapsins II, 2a and 2b, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Phosphoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (synapsins, I, 1a and 1b, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (synaptic vesicle amine-transporting, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (synaptic vesicle protein 2, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (synaptogyrins, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (synaptosomal-assocd., 25,000-mol.-wt., core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Syndecans  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (syndecan-2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Syndecans  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (syndecan-4, core group of disease-related genes; gene probes **used** for

- IT genetic profiling in healthcare screening and planning)
  - Syndecans
    - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
    - (syndecans-1, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (tc21, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (termination 1 and 2 and 3, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (testis-specific protein Y, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (thyroid receptor auxiliary, core group of disease-related genes; **lgene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (thyrotroph embryonic factor, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Globulins, biological studies
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (thyroxine-binding, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT G proteins (guanine nucleotide-binding proteins)
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (transducing GNAT1 and GNAT2, core group of disease-related **genes**; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (translationally-controlled tumor protein 1, core group of disease-related **genes**; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (treacle, core group of disease-related genes; **gene** probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (tremor, essential, 2, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)

- planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (triglyceride-transferring, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Peptides, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (trypsinogen-activating, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tubby-like protein 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Brain, disease  
 (tuberous sclerosis, gene TSC1 and TSC2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor necrosis factor receptor-assocd. factor 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor necrosis factor receptor-assocd. factor 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor necrosis factor receptor-assocd. factor 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor necrosis factor receptor-assocd. factor 5, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor necrosis factor receptor-assocd. factor 6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor suppressor, DRA, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor-assocd. p63, core group of disease-related genes; gene probes



- used for genetic **profiling** in healthcare screening and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tumor-assocd. p73, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Complement receptors  
 Fibroblast growth factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type 1, core group of disease-related genes; gene probes used for **genetic profiling** in healthcare screening and planning)
- IT Complement receptors  
 Fibroblast growth factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type 2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Fibroblast growth factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type 3, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type I, .alpha.1 and .alpha.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type II, .alpha.1, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Activin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type IIB, core group of disease-related genes; gene probes used for **genetic profiling** in healthcare screening and planning)
- IT Collagens, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type III, .alpha.1, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type IV, .alpha.1 through .alpha.6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type IX, .alpha.2 and .alpha.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
(type V, .alpha.1 and .alpha.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type VI, .alpha.1 and .alpha.2 and .alpha.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type VII, .alpha.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type X, .alpha.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type XVII, .alpha.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ubiquitin fusion degeneration 1-like, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Enzymes, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ubiquitin-activating, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(undulins, 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Peptides, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(vasoinhibitory, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(vavtrk, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Lipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(very-low-d., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Calcium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (voltage-dependent, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Potassium channel  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (voltage-gated E1 and Q1 and Q2 and Q3 and Q4, core group of **disease-related** genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Calcium channel  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (voltage-gated type 1.beta., core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Nervous system  
 (von Hippel-Lindau disease, gene VHL, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (winged helix nude, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Skin, disease  
 (xeroderma pigmentosum I, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (yes, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (yuasa, core group of disease-related genes; gene probes used for **genetic profiling** in healthcare screening and planning)
- IT Adhesins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (zonadhesins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Opioid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.kappa.-opioid, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT GABA receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta. and .gamma. subunits, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Fibrinogens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta. and .gamma., core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Glycine receptors

Granulocyte-macrophage colony-stimulating factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha. and .beta., core group of disease-related **genes**;  
 gene probes used **for** genetic profiling in healthcare  
 screening and planning)

IT Catenins  
 Interferons  
 Interleukin 8 receptors  
 Peroxisome proliferator-activated receptors  
 Thyroid hormone receptors  
 Vitronectin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha., core group of disease-related genes; gene probes used for  
**genetic profiling in healthcare screening**  
 and planning)

IT Actinins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha.-, 2 and 3, core group of disease-related genes; gene probes  
 used **for** genetic profiling in healthcare screening and  
 planning)

IT Actins  
 Spectrins  
 Transforming growth factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha.-, core group of disease-related genes; gene probes used for  
**genetic profiling in healthcare screening and**  
 planning)

IT Thalassemia  
 (.alpha.-, gene ATRX, core group of disease-related genes; gene probes  
 used **for** genetic profiling in healthcare screening and  
 planning)

IT Interleukin 2 receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha.-chain, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha.-tectorin, core group of disease-related genes; gene probes  
**used** for genetic profiling in healthcare screening and  
 planning,

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha.-tocopherol-binding, core group of disease-related genes; gene  
 probes used for genetic profiling in healthcare screening and  
 planning)

IT Haptoglobin  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha.1 and .alpha.2, core group of disease-related genes; gene  
 probes used for genetic profiling in healthcare screening and  
 planning)

IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (.alpha.8, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare screening and planning)

- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.9, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Crystallins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.A-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Crystallins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.B-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Adrenoceptors  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Adrenoceptors  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Macroglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.2-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.2-macroglobulin, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.4, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.5, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha.6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.beta. chemokine receptor CCR2, core group of disease-related genes; gene probes used for genetic profiling in healthcare)

- screening and planning)

IT Chemokine receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta. chemokine receptor CCR3, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Interferons

Interleukin 8 receptors

Thyroid hormone receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta., core group of disease-related genes; gene probes used for **genetic** profiling in **healthcare** screening and planning)
- IT Actins

Catenins

Spectrins

Transforming growth factors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.-, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Interleukin 2 receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.-chain, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.-galactosidase-protective, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transforming growth factors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.-induced, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Transforming growth factor receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.-transforming growth factor type II, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Adrenoceptors

Integrins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.1, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Adrenoceptors

Integrins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.2, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Microglobulins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(.beta.2-, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)

- IT Adrenoceptors  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.beta.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.beta.4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.beta.6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Catenins  
Interferons  
Peroxisome proliferator-activated receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Crystallins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.gamma.-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Actins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.gamma.-actins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interleukin 2 receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.gamma.-chain, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interferon receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.gamma.-interferon, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Opioid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.delta.-opioid, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Opioid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.mu.-opioid, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT 9032-64-8  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1 and 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT 80146-85-6  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (1 and 2 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9002-08-8, Trypsinogen 9004-06-2, Elastase  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9002-72-6, Somatotropin 9023-88-5 9031-68-9, Galactosyltransferase 37205-61-1, Proteinase inhibitor 152166-53-5  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9038-14-6  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (1-4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 76901-00-3  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (1B and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 56626-18-7, Fucosyltransferase  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (2 and 3 and 6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9035-37-4, Cytochrome b  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (245.alpha. and 245.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9001-01-8, Kallikrein  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9001-60-9 9001-66-5 9012-33-3  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (A and B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9031-96-3, Leptidase  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (A and C and E and S, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9033-07-2, Glycosyltransferase  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (ABO blood group, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9002-69-1, Relaxin  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
- (H1 and H2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 86480-67-3  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)



(L1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT 213903-53-8, Cryptochrome 1  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (and cryptochrome 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning,
- IT 50-56-6, Oxytocin, biological studies 70-18-8, biological studies  
 113-79-1 1393-25-5, Secretin 9000-81-1 9000-83-3 9000-86-6  
 9000-90-2 9000-92-4, Amylase 9000-94-6, Antithrombin 9000-96-8,  
 Arginase 9000-97-9 9001-03-0 9001-05-2, Catalase 9001-06-3,  
 Chitinase 9001-08-5 9001-10-9, Pepsinogen A 9001-12-1, Collagenase  
 9001-15-4 9001-16-5 9001-18-7 9001-24-5, Blood-coagulation factor V  
 9001-25-6, Blood-coagulation factor VII 9001-27-8 9001-28-9,  
 Blood-coagulation factor IX 9001-29-0, Blood-coagulation factor X  
 9001-30-3, Blood-coagulation factor XII 9001-36-9 9001-39-2  
 9001-40-5 9001-41-6 9001-42-7 9001-45-0 9001-47-2, Glutaminase  
 9001-48-3 9001-50-7 9001-51-8 9001-52-9 9001-54-1, Hyaluronidase  
 9001-58-5 9001-59-6 9001-63-2, Lysozyme 9001-64-3 9001-67-6,  
 Neuraminidase 9001-69-8 9001-75-6, Pepsin A 9001-80-3 9001-81-4  
 9001-83-6 9001-84-7, Phospholipase A2 9001-86-9, Phospholipase C  
 9001-88-1 9001-91-6, Plasminogen 9001-97-2 9002-02-2 9002-03-3  
 9002-10-2 9002-12-4 9002-61-3 9002-62-4, Prolactin, biological  
 studies 9002-64-6, Parathormone 9002-68-0, Follicle-  
 stimulating hormone 9002-71-5, Thyrotropin  
 9002-76-0, Gastrin (hormone) 9003-99-0, Peroxidase 9004-02-8  
 9004-10-8, Insulin, biological studies 9007-43-6, Cytochrome c,  
 biological studies 9011-97-6, Cholecystokinin 9012-25-3 9012-31-1  
 9012-39-9 9012-42-4 9012-47-9 9012-49-1 9012-52-6 9012-56-0,  
 Amidase 9012-78-6 9012-90-2 9012-93-5 9012-96-8 9013-02-9  
 9013-08-5 9013-18-7 9013-38-1 9013-55-2, Blood-coagulation factor XI  
 9013-56-3, Blood-coagulation factor XIII 9013-66-5 9013-75-6  
 9014-08-8 9014-19-1 9014-24-8 9014-36-2 9014-42-0, Thrombopoietin  
 9014-48-6, Transketolase 9014-51-1 9014-55-5 9014-56-6 9014-74-8  
 9015-67-2 9015-71-8, Corticotropin-releasing factor 9015-81-0  
 9015-82-1 9015-83-2 9015-85-4 9015-94-5, Renin, biological studies  
 9016-11-9 9016-12-0 9016-17-5 9016-18-6 9023-26-1, Coenzyme  
 A-transferase 9023-56-7 9023-58-9 9023-62-5 9023-64-7 9023-69-2  
 9023-70-5 9023-78-3 9023-90-9 9023-93-2 9023-94-3 9023-99-8  
 9024-25-3 9024-52-6 9024-58-2 9024-70-8 9024-78-6, Kynureninase  
 9024-93-5, Dihydroorotase 9024-99-1 9025-06-3 9025-10-9 9025-15-4,  
 Biotinidase 9025-26-7, Cathepsin D 9025-32-5 9025-35-8 9025-42-7  
 9025-43-8 9025-52-9, Trehalase 9025-54-1, Adenosylhomocysteinase  
 9025-62-1 9025-90-5 9026-22-6 9026-23-7 9026-51-1 9026-59-9  
 9026-89-5 9026-93-1 9027-03-6 9027-13-8 9027-21-8 9027-27-4,  
 .beta.-Ureidopropionase 9027-33-2 9027-34-3 9027-43-4 9027-44-5  
 9027-46-7 9027-67-2 9027-80-9 9027-81-0 9027-88-7 9027-89-8  
 9027-96-7 9028-04-0 9028-06-2 9028-11-9 9028-16-4 9028-21-1  
 9028-31-3 9028-35-7 9028-38-0 9028-41-5 9028-86-8 9028-93-7  
 9028-95-9 9029-12-3 9029-38-3 9029-49-6 9029-60-1 9029-61-2  
 9029-72-5 9029-73-6 9029-75-8 9029-83-8 9029-84-9 9029-87-2  
 9029-97-4 9030-08-4 9030-21-1 9030-42-6 9030-50-6 9030-53-9  
 9030-66-4 9030-74-4, Dihydropyrimidinase 9030-83-5 9030-87-9  
 9031-02-1 9031-11-2 9031-14-5 9031-28-1 9031-36-1 9031-37-2,  
 Ceruloplasmin 9031-54-3, Sphingomyelinase C 9031-61-2 9031-72-5  
 9031-82-7 9031-86-1, Aspartoacylase 9031-98-5, Carboxypeptidase  
 9032-02-4 9032-22-8 9032-28-4 9032-29-5 9032-59-1,  
 Fumarylacetoacetase 9032-62-6 9032-76-2 9032-88-6 9032-89-7  
 9034-39-3, Somatoliberin 9034-40-6, Luteinizing hormone-releasing factor  
 9035-34-1, Cytochrome a 9035-39-6, Cytochrome b5 9035-51-2, Cytochrome  
 P 450, biological studies 9035-54-5 9035-58-9, Blood-coagulation  
 factor III 9035-74-9, Phosphorylase 9035-75-0, Chymotrypsinogen

9035-81-8, Trypsin inhibitor 9036-20-8 9036-22-0 9036-23-1  
9036-37-7 9036-43-5 9037-14-3 9037-21-2 9037-42-7 9037-65-4  
9037-67-6

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)

(core group of disease-related genes; gene probes used for genetic  
profiling in healthcare **screening** and planning)

IT 9037-68-7 9039-06-9 9039-45-6 9040-57-7 9041-46-7 9041-92-3  
9042-64-2 9044-50-2 9044-85-3 9044-86-4, Dehydratase 9046-27-9  
9047-22-7, Cathepsin B 9047-64-7 9048-63-9 9050-70-8 9054-54-0,  
Acyltransferase 9054-63-1 9054-65-3 9054-75-5 9054-84-6  
9054-89-1 9055-02-1, Kallikreinogen 9055-67-8 9056-26-2 9059-22-7  
9059-25-0 9060-09-7, Blastokinin 9061-61-4, Nerve growth factor  
9067-97-4 9068-41-1 9068-44-4 9068-57-9 9068-75-1 9073-56-7  
9074-10-6 9074-11-7 9074-91-3 9075-24-5, Aspartylglucosylaminase  
9075-65-4 9075-81-4 9076-84-0 9077-03-6 9079-67-8 9080-21-1  
9081-34-9 9082-57-9 9082-72-8 11002-13-4, Angiotensinogen (protein  
renin substrate) 11016-39-0, Complement factor P 11096-26-7,  
Erythropoietin 12651-27-3, Transcobalamin I 12651-28-4, Transcobalamin  
II 24305-27-9 37184-63-7 37211-69-1 37213-56-2, Complement factor  
D 37221-79-7, Vasoactive intestinal polypeptide 37228-64-1  
37233-48-0 37255-32-6 37255-38-2 37255-40-6 37256-36-3  
37257-08-2 37257-17-3 37257-19-5 37270-64-7 37274-61-6  
37277-84-2 37288-39-4 37288-40-7 37288-66-7 37289-19-3  
37289-34-2 37289-41-1 37290-90-7 37340-55-9 39346-44-6  
39362-14-6, Prolactin-releasing factor 39379-15-2, Neurotensin  
39391-18-9D, 1 and 2 39391-18-9D, 2 39419-81-3 50812-31-2  
50812-37-3 50936-59-9 51110-01-1, Somatostatin 52906-92-0, Motilin  
53096-17-6 53167-91-2 53230-14-1 53986-32-6 54004-64-7  
55126-92-6, Lipase cofactor 55576-43-7, Dextrinase 56626-15-4,  
Complement C3 convertase 56645-49-9, Cathepsin G 58319-92-9  
59299-00-2 59392-49-3, Gastric inhibitory polypeptide 59536-74-2  
59828-56-7 59977-51-4 60202-16-6, Blood-coagulation factor XIV  
60267-61-0, Ubiquitin 60320-99-2 60616-82-2, Cathepsin L 60748-73-4,  
Cathepsin H 60832-04-4 61116-24-3 61512-21-8, Thymosin 61811-29-8  
62031-54-3, Fibroblast growth factor 62213-29-0 62229-50-9, Epidermal  
growth factor 63340-72-7, Thymic humoral factor 64885-96-7  
65802-85-9 65802-86-0 65979-40-0 66796-54-1 67339-09-7  
67763-96-6, Insulin-like growth factor I 67763-97-7, Insulin-like growth  
factor II 68651-94-5 70356-40-0 70712-46-8 71822-25-8  
71965-46-3, Cathepsin S 73508-07-3, Molybdoenzyme molybdenum cofactor  
73562-26-2 74506-38-0 74812-49-0 74870-74-9 75432-63-2  
75922-89-3 77271-19-3 78689-77-7 78783-52-5 78990-62-2, Calpain  
79955-99-0, Stromelysin 1 80043-53-4, Gastrin-releasing peptide  
80295-33-6, Complement Clq 80295-34-7, Complement Clr 80295-35-8,  
Complement Cls 80295-38-1 80295-40-5, Complement C2 80295-41-6,  
Complement C3 80295-49-4, Complement C4a 80295-50-7, Complement C4b  
80295-53-0, Complement C5 80295-56-3, Complement C6 80295-57-4,  
Complement C7 80295-58-5, Complement C8 80295-59-6, Complement C9  
80295-65-4, Complement factor H 80295-66-5, Complement factor I  
80497-65-0, Muellierian-inhibiting hormone 81181-72-8 81604-65-1,  
Heparin cofactor II 81627-83-0, Colony-stimulating factor 1  
82707-54-8, Neprilysin 82785-45-3, Neuropeptide Y 82869-38-3  
83869-56-1, Colony-stimulating factor 2 85637-73-6, Atrial natriuretic  
peptide 8638-40-0 86551-03-3 86933-74-6, Neurokinin A (swine spinal  
cord) 87683-70-3 88402-55-5 90119-07-6 90597-47-0 90698-32-1  
91448-99-6 92769-12-5, Proliferin (protein) 92941-56-5 93443-35-7  
93792-73-5, Colony-stimulating factor 3 93928-65-5 94716-09-3,  
Cathepsin K 95567-84-3 97089-82-2 97501-92-3, Chymase 99085-47-9,  
Complement decay-accelerating factor 99194-04-4 99676-46-7, Kexin  
102484-74-2 102577-23-1, Neuromedin K 103370-86-1, Humoral  
hypercalcemic factor 104118-56-1 105913-04-0 106283-10-7  
106602-62-4, Amylin 106956-32-5, Oncostatin M 109319-16-6

109489-77-2, Tetranectin 110910-42-4, Cathepsin E 111694-13-4  
 114101-80-3 114949-22-3, Activin (protein) 115966-66-0, Histatin 1  
 115966-67-1, Histatin 3 117147-70-3, Amphiregulin 117628-82-7,  
 Follistatin 117698-12-1 119418-04-1, Galanin 120178-12-3  
 121797-22-6, Histatin 2 122097-00-1 122191-40-6 122879-69-0,  
 Endothelin 2 123626-67-5, Endothelin 1 124861-55-8 125692-40-2,  
 Endothelin 3 125978-95-2 127407-08-3 127464-60-2, Vascular  
 endothelial growth factor 128028-50-2, Myeloblastin 128449-51-4  
 130939-66-1, Neurotrophin 3 137061-48-4 138238-81-0 138359-29-2  
 138674-26-7 138757-15-0 139466-48-1 139639-23-9 139639-24-0  
 140158-49-2 140208-22-6 140208-23-7 140208-24-8 140610-48-6,  
 Stromelysin 2 141176-92-3 141256-52-2, Matrilysin  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)

IT 141349-86-2 141436-78-4 141467-21-2 141588-27-4 141760-45-4, Furin  
 (enzyme) 142008-29-5 142243-02-5 142243-03-6 142805-56-9  
 142805-58-1 143180-75-0 143375-65-9 144697-17-6 144940-98-7,  
 Guanylin 145267-01-2, Stromelysin 3 145809-21-8 146480-35-5,  
 Gelatinase A 146480-36-6, Gelatinase B 146702-84-3 147014-96-8  
 147014-97-9 148047-29-4 148125-60-4 148640-14-6 149147-12-6  
 149885-72-3 150605-49-5 151662-20-3 151769-16-3 151821-61-3,  
 Ubiquitin B 151821-62-4, Ubiquitin C 152478-56-3 152478-57-4  
 153190-71-7 154531-34-7 154907-66-1 157482-36-5 157857-10-8,  
 Prostatin 161052-08-0 161384-17-4 169494-85-3, Leptin 169592-56-7,  
 Apopain 169592-62-5 170347-52-1 170780-57-1 172308-17-7  
 175449-82-8, Collagenase 3 179241-73-7 179241-78-2 180189-96-2  
 182372-11-8 182372-14-1 182372-15-2 182762-08-9 182938-13-2  
 182970-56-5 185402-46-4 185857-51-6, Neurturin 186207-03-4  
 186270-49-5, Angiopoietin 1 188364-80-9 189088-85-5 189088-86-6  
 189258-14-8 192230-91-4 192465-11-5, Caspase-5 193099-09-1  
 193099-10-4, Metargidin 193099-11-5 193830-08-9,  
 Growth/differentiation factor 5 194368-66-6, Angiopoietin 2  
 194554-71-7 194739-73-6 202420-40-4 203810-08-6 205944-50-9,  
 Osteoprotegerin 207004-87-3 214899-28-2 216864-07-2,  
 .alpha.-Synuclein 216864-08-3, .beta.-Synuclein 227184-71-6  
 227604-60-6 245359-74-4, Orexin 248259-60-1 252337-44-3  
 252340-56-0 252341-94-9 252344-02-8 252348-35-9 252348-54-2  
 252348-89-3 252349-85-2 252350-00-8 252350-19-9 252350-77-9  
 252350-84-8 252350-91-7 252351-00-1 252351-68-1 252351-86-3  
 252354-25-9

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)

IT 9001-62-1

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(hepatic, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)

IT 80449-02-1

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(lymphocyte-specific, core group of disease-related genes; gene probes  
 used for genetic profiling in healthcare **screening** and  
 planning)

IT 9001-77-8

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(lysosomal 2, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)

IT 64-85-7

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (receptor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT 9025-75-6  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (regulatory subunit PPP1R3 and A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT 9001-78-9  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tissue nonspecific TNSAP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT 79747-53-8  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type 12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT 158736-49-3, .beta.-Secretase  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta. and .gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT 57285-09-3, Inhibin  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta.A and .beta.B and .beta.C subunits, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT 9002-67-9, Luteinizing hormone  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.-subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

L61 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 1999:795993 HCAPLUS

DN 132:31743

TI Gene probes used for genetic profiling in healthcare **screening** and planning

IN Roberts, Gareth Wyn

PA Genostic Pharma Limited, UK

SO PCT Int. Appl., 149 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12Q001-68

ICS C07K016-18

CC 3-1 (Biochemical **Genetics**)

Section cross-reference(s): 9, 13, 14

FAN.CNT 2

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WO 9964626	A2	19991216	WO 1999-GB1779	19990604 <--
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,			

MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 AU 9941586 A1 19991230 AU 1999-41586 19990604 <--  
 AU 9941587 A1 19991230 AU 1999-41587 19990604 <--  
 GB 2339200 A1 20000119 GB 1999-12914 19990604 <--  
 GB 2339200 B2 20010912  
 EP 1084273 A1 20010321 EP 1999-925207 19990604 <--  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, FI

PRAI GB 1998-12098 A 19980606 <--  
 GB 1998-28289 A 19981223 <--  
 GB 1998-16086 A 19980724 <--  
 GB 1998-16921 A 19980805 <--  
 GB 1998-17097 A 19980807 <--  
 GB 1998-17200 A 19980808 <--  
 GB 1998-17632 A 19980814 <--  
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 WO 1999-GB1779 W 19990604 <--

AB There is considerable evidence that significant factor underlying the individual variability in response to disease, therapy and prognosis lies in a person's genetic make-up. There have been numerous examples relating that polymorphisms within a given gene can alter the functionality of the protein encoded by that gene thus leading to a variable physiol. response. In order to bring about the integration of genomics into medical practice and enable design and building of a technol. platform which will enable the everyday practice of mol. medicine a way must be invented for the DNA sequence data to be aligned with the identification of genes central to the induction, development, progression and outcome of disease or physiol. states of interest. According to the invention, the no. of genes and their configurations (mutations and polymorphisms) needed to be identified in order to provide crit. clin. information concerning individual prognosis is considerably less than the 100,000 thought to comprise the human genome. The identification of the identity of the core group of genes enables the invention of a design for genetic profiling technologies.

ST probe genetic profiling healthcare **screening**

IT Ankyrins

Calmodulins

Notch (receptor)

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1 and 2 and 3, core group of disease-related genes; gene probes used for genetic **profiling in healthcare screening and planning**)

IT Angiotensin receptors

Fibrillins

Neurofibromin

Presenilins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT Inositol 1,4,5-trisphosphate receptors

P-glycoproteins

Uncoupling protein

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(1 and 3, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)

- IT Chloride channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1 and 5 and KB, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Annexins  
Bone morphogenetic proteins  
Calbindins  
Keratins  
Laminin receptors  
Synaptobrevins  
Syntaxins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(11 and 2 and 3 and 9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(14, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Myosins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(15 and 5A and 6 and 7A and cardiac, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(15, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(16, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(17, core group of disease-related genes; gene probes used for genetic

- profiling in healthcare **screening** and planning)
- IT Antigens
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (17-1A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (18, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Melatonin receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (1A and 1B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Tropomyosins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (1.alpha. and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Calculi, renal
  - (2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins
  - Synaptobrevins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cyclin dependent kinase inhibitors
  - (3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins
  - Transcription factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins
  - Keratins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (4F2 antigen, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bone morphogenetic proteins
  - Keratins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Laminins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5, .alpha.3 and .beta.3 and .gamma.2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare **screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT1A, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT1B, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT1C, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT1D, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT1E, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT1F, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT2A, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT2B, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT2C, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT3, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT 5-HT receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(5-HT4, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)



- IT 5-HT receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(5-HT5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT 5-HT receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(5-HT6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT 5-HT receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(5-HT7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Bone morphogenetic proteins  
Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Bone morphogenetic proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Bone morphogenetic proteins  
Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A, A4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Chromogranins  
Cyclins  
Glycophorins  
Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A-I, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A-II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Heat-shock proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A1 and A2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

- planning.

IT Transport proteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(ABC (ATF-binding cassette-contg.), 7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(ABP (androgen-binding protein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Transport proteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(ADP/ATP carrier, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(AIM1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Transcription factors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(AP-2 (activator protein 2), core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(APC, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(ATOH1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(Apaf-1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT Adenosine receptors

Adenosine receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(A1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT Adenosine receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(A2, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT Adenosine receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(A2A, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening and planning**)
- IT Adenosine receptors

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A2B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Adenosine receptors  
Adenosine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Apolipoproteins  
Cyclins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B-lym, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B-raf, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Glycophosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B23, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BCR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCA1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCA1-assocd. RING domain gene 1, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCA2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(BRCD1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (BRCD2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Bagpipe homeobox, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Bcl-x, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Disease, animal  
(Beckwith-Wiedemann syndrome, gene BWR1A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bradykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Bradykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(B2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Troponins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C-C CRF-5 (cysteine-cysteine chemokine receptor 5), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C-I, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C-II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C-III, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(C-reactive, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Complement receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (C5a, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CBF (core-binding factor), .alpha.1 and .alpha.2 and .beta., core group of disease-related genes; gene probes **used** for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD100, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD101, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD103, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD107, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD108, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD109, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD110, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD111, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD112, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD113, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD114, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD115, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD116, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD117, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD118, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD119, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD120, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD121, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD123, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD124, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD125, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
 (CD126, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD127, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD128, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD129, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD130, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD131, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD132, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD133, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD134, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD135, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD136, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CD137, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD138, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD139, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD140, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD141, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD142, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD143, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD144, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD145, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD147, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD148, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD149, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD150, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)

IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)



(CD151, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD153, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD155, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD156, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD157, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD158, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD159, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD160, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD161, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD162, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD163, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(CD164, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD165, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD166, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD17, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD24, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD27, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD33, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT CD antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD37, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD39, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Glycoproteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD40-L (antigen CD40 ligand), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD41, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD42, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)

IT Antigens

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD47, core group of disease-related genes; gene probes used for

- genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD48, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD52, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD53, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD57, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD60, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD63, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD65, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD66, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD67, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD70, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (CD72, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD73, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD76, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD77, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD78, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD79, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigen  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD83, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD84, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD85, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD89, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT CD antigen  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD90, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD91, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- planning
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD92, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD93, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT CD antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD94, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD96, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD97, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CD99, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CDX1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CREB (cAMP-responsive element-binding), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CREB-binding, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CRX, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Colony stimulating factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CSF-3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening and planning**)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
 (CXCR1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Chemokine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CXCR2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP11A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP11B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP11B2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP17, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP19, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP1A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP1A2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP1B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP21, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (CYP24, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (CYP27, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP27B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2A13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2A3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2A6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2A7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2B6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2C1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2C19, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2C8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2C9, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (CYP2D6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2E1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2F1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP2J2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP3A3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP3A4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP3A5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP3A7, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP4A11, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening **and** planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP4B1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP4F2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP4F3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and **planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)



- (CYP51, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP5A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP7A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(CYP8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phagocyte  
(Chediak-Higashi syndrome, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
Cyclins  
Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Steroid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DAX-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DCC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DLX1 through DLX6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DMBT1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DMC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(DMPK, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (DNA damage-binding DDB1 and DDB2, core group of disease-related genes; **gene** probes used for genetic profiling in **healthcare screening and planning**)
- IT Enzymes, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (DNA helicases, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (DNA-binding, zinc finger-contg., 198 and 2 and 3 and HRX, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Prostanoid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (DP, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (DSS1, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Hedgehog protein  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Desert, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Dopamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (D1, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Dopamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (D2, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Dopamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (D3, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Dopamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (D4, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Dopamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (D5, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Calbindins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (D9k, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening and planning**)
- IT Apolipoproteins  
 Immunoglobulins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (E, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cadherins  
 Selectins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (E-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (EFMR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ELF-1 [eph ligand family-1], core group of disease-related genes; gene probes used for **genetic** profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ELK1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ELK2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cadherins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (EP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (EPM2A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (EP1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (EP2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (EP3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (ERBAL2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (ERCC5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ERG, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Endothelin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ETA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Endothelin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ETB, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EWS, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EYA1 and EYA2 and EYA3, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(EYCL3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening **and** planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Evi-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cyclins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(F, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FABP (fatty acid-binding protein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FDG DY, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FKHL10 and FKHL14 and FKHL7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FKHR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(FRAXA and FRAXE and FRAXF, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Anemia (disease)  
(Fanconi's, complementation group A and B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Anemia (disease)  
(Fanconi's, complementation group C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Flightless II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscular dystrophy  
(Fukuyama, gene FCMD, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(G/T mismatch, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(G2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GABA transporter, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GADD45, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(GDI (GTP dissociation inhibitor), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GLI1, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GLI2, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GLI3, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT G proteins (guanine nucleotide-binding proteins)

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GNAO1 and GNB3 and GNG5 and GNAQ, core group of **disease**-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Glutamate receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GluR1 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Glutamate receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GluR2 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Glutamate receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GluR3 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Glutamate receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GluR4 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Glutamate receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GluR5 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Glutamate receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GluR6 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Glutamate receptors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(GluR7 subunit, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)

IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (Goosec and GSC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT G proteins (guanine nucleotide-binding proteins)  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Gi1 (adenylate cyclase-inhibiting, 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT G proteins (guanine nucleotide-binding proteins)  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Gi2 (adenylate cyclase-inhibiting, 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT G proteins (guanine nucleotide-binding proteins)  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Gi3 (adenylate cyclase-inhibiting, 3), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT G proteins (guanine nucleotide-binding proteins)  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Gs (adenylate cyclase-stimulating), GNAS1 and GNAS2 and GNAS3 and GNAS4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H-CAM (oming cell adhesion mol.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histones  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histones  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histones  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histones  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HAND1 and HAND2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Lipoprotein receptors

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HDL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcripton factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HIF-1 hypoxia-inducible factor 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcripton factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HIF-2 hypoxia-inducible factor 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-B assocd. transcript 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-DP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-DQ, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLA-DR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLX1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HLXB9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT High-mobility group proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HMG-C and HMG-Y, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT High-mobility group proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HMG1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT High-mobility group proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HMG2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcripton factors



RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HNF-3B (hepatocyte nuclear factor 3B), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Transcription factors

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HNF-4 (hepatocyte nuclear factor 4), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(HOXA9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXB9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXC13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXC4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXC9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXD1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXD10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXD13, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXD3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HOXD8, core group of disease-related genes; gene probes used for

- IT genetic profiling in healthcare **screening** and planning)
  - Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HOXD9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Blood-coagulation factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HRG (histidine-rich glycoprotein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heat-shock proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HSP 60, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heat-shock proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HSP 70, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heat-shock proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HSP 90, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT DNA formation factors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HSSB, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HTSL1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HVBS1 and HVBS6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Hairless, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Blood coagulation
  - (Hermansky-Pudlak syndrome, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HoxA1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (HoxA4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
 (HoxA5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxA7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxB1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxB4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxB5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxB8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxC8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxD12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (HoxD4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Histamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Histamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Histamine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (H3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Annexins  
 Synaptotagmin  
 Troponins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (I, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Prostanoid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(I2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ICAM-1 (intercellular adhesion mol. 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ICAM-2 (intercellular adhesion mol. 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ICAM-3 (intercellular adhesion mol. 3), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ICCA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IGER and IGES, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Synaptotagmin  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IKBL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IRS-1 (insulin receptor substrate 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IgE type II, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IgG type I, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulin receptors

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(IgG type IIA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Ikaros, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Hedgehog protein  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Indian, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(J protein, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Potassium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(J1 and J11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Blood-group substances  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(K (Kell), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Keratins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(K7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(KAI1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cyclin dependent kinase inhibitors  
(KIP2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Potassium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Kv1 (potassium channel-forming, voltage-regulated, 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Selectins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L-myc, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Ribosomal proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L13A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(L17, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LAMP-1 (lysosome-assocd. membrane protein 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LAMP-2 (lysosome-assocd. membrane protein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Lipoprotein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LDL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LH-releasing hormone, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LIM homeobox proteins 1 and 2 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LIM homeobox transcription factor 1.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LIM-domain only proteins 1 and 2 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LMP-2 (latent-infection membrane protein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LPP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(LYDMA, LMP-7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Kidney, disease  
(Lowe's syndrome, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Apolipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Lp(a), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Immunoglobulins  
Laminins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(M, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MAD homolog 2 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MADS box transcription-enhancer factor 2A and 2B and 2C and 2D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MAX-interacting protein 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MCC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MCP (membrane cofactor protein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MHC (major histocompatibility complex), class I, A and B and C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Histocompatibility antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MHC (major histocompatibility complex), class II, complementation group A and B and C and D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Mucins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)



- (MUC2 and MUC5AC and MUC6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(MUM1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Msh homeobox homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Mullein-inhibiting hormone, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Dwarfism  
(Mulibrey, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Myf-3 (myogenic factor 3), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Myf-4 (myogenic factor 4), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Myf-5 (myogenic factor 5), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(M1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(M2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(M3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(M4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Muscarinic receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
(M5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cadherins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(N-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(N-CAM, N-CAM-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(N-CAM, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(N-CAM-120, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(N-ras, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NF-E1 (nuclear factor erythroid 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurofilament proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NF-H, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurofilament proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NF-L, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurofilament proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NF-M, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NF- $\kappa$ .B (nuclear factor  $\kappa$ .B), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NFATc (nuclear factor, activated T-cell, cytosolic), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
(NFATp (nuclear factor, activated T-cell, pre-existing), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Tachykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NK1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Tachykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NK2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Tachykinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NK3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NMDA-binding, type 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glutamate receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NMDA-binding, type 2A and 2B and 2C and 2D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Atrial natriuretic peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NPR-A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Atrial natriuretic peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(NPR-B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Nervous system  
(Norrie's disease, gene NDP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Notch ligand-jagged 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Orthodenticle homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cadherins  
Selectins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Protamines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Protamines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(P2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PABP (poly(A)-binding protein), 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAC7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAC8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAX3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PAX6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PECAM-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PHEX, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PMP-22 (peripheral myelin protein, 22,000-mol.-wt.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(POU box, 1 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(PROX1, core group of disease-related genes; gene probes used for

- genetic profiling in healthcare **screening** and planning)
- IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (PVR (poliovirus receptor), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Patched homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Pax1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Pax2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Prophet of Pit1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Purinoceptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (P2U, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Purinoceptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (P2X, 1 through 7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Purinoceptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (P2Y, 11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Purinoceptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (P2Y, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (R-binding, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RAG1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RAG2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Retinoic acid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RAR-.alpha., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoic acid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RAR-.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoic acid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RAR-.gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT DNA formation factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RF-A (replication factor A), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT DNA formation factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RF-C (replication factor C), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RGR (retinal G protein coupled receptor), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RIGUT, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoid X receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RXR.alpha., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoid X receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RXR.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Retinoid X receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (RXR.gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Rathke pouch homeobox, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (Rb, core group of disease-related genes; gene probes used for genetic

- profiling in healthcare **screening** and planning)

IT Blood-group substances

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(Rh, CcEe antigens, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(Rim, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(S-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(S-100, A1 through A9 and B and P, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(S19, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(S4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(S6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Ribosomal proteins

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(S9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SA homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SAA (serum amyloid A), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(SAP (SAA-assocd. protein), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (SAP (serum amyloid, P), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycophosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SCP2 (hydroxy steroid-carrier protein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SDF-1.alpha. (stromal-derived factor-1.alpha.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokines  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SDF-1.beta. (stromal-derived factor-1.beta.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SF-1 (steroidogenic factor 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SGP-2 (sulfoglycoprotein 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Globulins, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SHBG (sex hormone-binding globulin), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SLAM (signaling lymphocyte activation mol.), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Guanine nucleotide exchange factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOS1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX11, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)



- (SOX3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SOX9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-A, A1 and A2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Surfactant proteins (pulmonary)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SP-D, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSEA-1 (stage-specific embryonic antigen 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSTR1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSTR2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSTR3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSTR4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Somatostatin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSTR5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(SSX1 and SSX2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ST3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ST8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(STAT1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(STAT2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(STAT3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(STAT4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(STAT5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Sal-like 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Slug, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Sry (sex-detg. region of chromosome Y), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Troponins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(T, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (T-BOX2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (T-BOX3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (T-BOX4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (T-BOX5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (T-BOX6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Leukemia  
 (T-cell, acute, gene TAL1 and TAL2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (TAPA-1 (target of antiproliferative antibody, 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (TATA-binding protein-assocd., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (TEL, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (TKCR, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (TRAF2 (tumor necrosis factor receptor-assocd. factor 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (TRC9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (TRP-1 (tyrosinase-related protein 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TSG101, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(TUPLE1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Tap1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Tap2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antigens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Thy-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Tip-assocd., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Protein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Toll-like receptor 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Twist homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Usher syndrome gene USH2A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cell adhesion molecules  
Cell adhesion molecules  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(VCAM-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Vasopressin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(V1, 1A and 1B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Vasopressin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
(V2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(WHSC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(WT1 (Wilms' tumor suppressor 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(Wnt inhibitory factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Disease, animal  
(Wolfram syndrome, gene WFS1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(X-specific transcript, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(XPA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(XPB, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(XPC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(XPD, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(XPE, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(XPF, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (XRCC9, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neuropeptide Y receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Y1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neuropeptide Y receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (Y2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (ZP1 (zona pellucida, 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (ZP2 (zona pellucida, 2), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (ZP3 (zona pellucida, 3), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Eye, disease
  - (achromotopsia gene ACHM2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (acidic amino acid-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (acylcarnitine-carnitine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (adaptins, .beta.3A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (adducins, .alpha. and .beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Brain, disease
  - (adrenoleukodystrophy, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Amino acids, biological studies

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(alkaptonuria, gene AKU, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(amino acid-transporting, gene SLC1A6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(amyloid .beta.-binding APBB1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(amyloid .beta.-like, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(anion-exchanging proteins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(antigen CD11b, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(antigens CD11c, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(antigens Mac-1 (macrophage 1), core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(apical, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(apoptosis-regulating, ligand 1 and apoptosis-inducing factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(apoptosis-regulating, neuronal apoptosis-inhibitory, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Porins

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(aquaporins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(archaete-scute homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(aryl hydrocarbon receptor nuclear-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(aspartate, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(astrotactins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Nervous system  
(ataxia telangiectasia, genes ATD and ATM, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ataxins 1 and 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(atrophin 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(attractins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(autoimmune regulator AIRE, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(axl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(azoospermia factor 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)



- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(band 4.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phospholipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(band 4.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phospholipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(band 7.2b, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bcl-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bcr-c-abl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bestrophins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bile acid-sodium-cotransporting, 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(bile salt-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Biotechnology  
(biochips, design of GENOSTIC genechip device; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(blue cone pigment, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurotrophic factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(brain-derived, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-Ha-ras, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-Ki-ras2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-R-ras, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-abl1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-abl2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-akt1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-akt2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-emsl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-erb, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-erb2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-erbA, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ets-, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ets-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fes, core group of disease-related genes; gene probes used for

genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fgr, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fos, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-fps, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-gro1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-gro2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-int1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-int3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-int4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-jun, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-kit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-lco, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-lyn, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)  
IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)  
(c-maf, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-mas1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-mcf2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-mel, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-mos, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-mpl, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-myb, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-myc, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ovc, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-raf, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ralb, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-rel, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ros, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-sis, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-ski, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-sno, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-spil, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-src, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(c-tim, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(calcium, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(calcium-sodium-exchanging, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cardiac-specific homeobox CSX, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(carnitine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cartilage oligomeric matrix, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cartilage-hair hypoplasia, core group of disease-related genes; gene

- probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(caveolins, 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cellubrevins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ceroid lipofuscinosis neuronal 2-6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cholecystokinin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cholecystokinin B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Biliary tract  
(cholestasis, intrahepatic, gene FIC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cholesterol ester-exchanging, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(chondritin sulfate A-placental, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Eye, disease  
(choroideremia, gene CHM, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurotrophic factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ciliary, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Atrial natriuretic peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(clearance, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cleavage signal-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Palate  
(cleft, gene CPX, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(clk1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cochlin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cofilin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Protein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(collagen, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(collapsin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(contactin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Genetic methods  
(core genes for design and manuf. of GENOSTIC genechip device; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Hemochromatosis  
Niemann-Pick disease  
(core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT ACTH receptors  
Albumins, biological studies  
Amelogenins  
Amyloid precursor proteins  
Androgen receptors  
Aromatic hydrocarbon receptors  
Arrestins  
Benzodiazepine receptors  
CD1 (antigen)  
CD14 (antigen)  
CD19 (antigen)  
CD2 (antigen)  
CD20 (antigen)  
CD22 (antigen)  
CD26 (antigen)  
CD28 (antigen)  
CD3 (antigen)  
CD34 (antigen)  
CD36 (antigen)  
CD38 (antigen)  
CD4 (antigen)  
CD40 (antigen)  
CD44 (antigen)  
CD45 (antigen)  
CD5 (antigen)

CD59 (antigen)  
 CD68 (antigen)  
 CD69 (antigen)  
 CD7 (antigen)  
 CD8 (antigen)  
 CD80 (antigen)  
 CD86 (antigen)  
 CFTR (cystic fibrosis transmembrane conductance regulator)  
 CTLA-4 (antigen)  
 Calcitonin gene-related peptide receptors  
 Calcitonin receptors  
 Calnexin  
 Calretinin  
 Cannabinoid receptors  
 Carcinoembryonic antigen  
 Cell adhesion molecules  
 Ciliary neurotrophic factor  
 Clathrin  
 Clusterin  
 Corticosteroid receptors  
 Corticotropin releasing factor receptors  
 Cyclophilins  
 Desmins  
 Dynamin  
 Dyneins  
 Dystrophin  
 Elastins  
 Epidermal growth factor receptors  
 Erythropoietin receptors  
**FSH receptors**  
 Fas antigen  
 Ferritins  
 Fibrinogens  
 Fibronectins  
 GTPase-activating protein  
 Galanin receptors  
 Gastrin-releasing peptide receptors  
 Gelsolin  
 Glucagon receptors  
 Glucagon-like peptide-1 receptors  
 Glucocorticoid receptors  
 Gonadotropin receptors  
 Gonadotropin-releasing hormone receptor  
 Growth factor receptors  
 Growth hormone receptors  
 Growth hormone-releasing hormone receptors  
 Hemoglobins  
 Hemopexins  
 Hepatocyte growth factor  
 Heregulins  
 Immunoglobulin receptors  
 Insulin receptors  
 Insulin-like growth factor I receptors  
 Insulin-like growth factor II receptors  
 Interleukin 1 receptor antagonist  
 Interleukin 1 receptors  
 Interleukin 10  
 Interleukin 11  
 Interleukin 13  
 Interleukin 1.alpha.  
 Interleukin 1.beta.  
 Interleukin 3  
 Interleukin 3 receptors



Interleukin 4  
 Interleukin 4 receptors  
 Interleukin 5  
 Interleukin 5 receptors  
 Interleukin 6  
 Interleukin 6 receptors  
 Interleukin 7  
 Interleukin 7 receptors  
 Interleukin 8  
 Interleukin 8 receptors  
 Interleukin 9  
 Intrinsic factors  
 Invariant chain (class II antigen)  
 LFA-3 (antigen)  
 Lactoferrins  
 Leptin receptors  
 Leukemia inhibitory factor  
 Leukemia inhibitory factor receptors  
 Leukosialin  
 Lymphotoxin  
 Macrophage colony-stimulating factor receptors  
 Macrophage inflammatory protein 2  
 Metallothioneins  
 Mineralocorticoid receptors  
 Moesins  
 Monocyte chemoattractant protein-1  
 Multidrug resistance proteins  
 Myelin P0 protein  
 Myelin basic protein  
 Myoglobins  
 Nerve growth factor receptors  
 Neurotensin receptors  
 Nicotinic receptors  
 Opioid receptors  
 Osteocalcins  
 Osteonectin  
 Osteopontin  
 Oxytocin receptors  
 Parathyroid hormone receptors  
 Parvalbumins  
 Pituitary adenylate cyclase-activating polypeptide receptor  
 Platelet-activating factor receptors  
 Platelet-derived growth factor receptors  
 Platelet-derived growth factors  
 Prion proteins  
 Progesterone receptors  
 Prolactin receptors  
 Proliferating cell nuclear antigen  
 Prostanoid receptors  
 Proteolipid protein  
 Radixin  
 Ras proteins  
 Rhodopsins  
 Ryanodine receptors  
 Secretin receptors  
 Stem cell factor  
 Sulfonylurea receptors  
 Synaptophysin  
 TCR .alpha..beta.. (receptor)  
 Talin  
 Tau factor  
 Tenascins  
 Thrombin receptors

Thrombomodulin  
 Thrombospondins  
 Thromboxane receptors  
 Thyroglobulin  
 Thyrotropin receptors  
 Thyrotropin-releasing hormone receptors  
 Titins  
 Transcortins  
 Transferrin receptors  
 Transferrins  
 Transthyretin  
 Tubulins  
 Tumor necrosis factor receptors  
 Tumor necrosis factors  
 Urokinase-type plasminogen activator receptors  
 VIP receptors  
 Vasopressin receptors  
 Villin  
 Vimentins  
 Vinculin  
 Vitamin D receptors  
 neu (receptor)  
 p53 (protein)  
 .alpha.-Fetoproteins  
 .alpha.1-Acid glycoprotein  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)  
 IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (corticosteroid-binding, core group of disease-related genes; gene  
 probes used for genetic profiling in healthcare **screening** and  
 planning)  
 IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (cortisol, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)  
 IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (cot, core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)  
 IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (crk, core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)  
 IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (crkl, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)  
 IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (cubilins, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare **screening** and planning)  
 IT Ion channel  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

- (cyclic nucleotide gated .alpha.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cyclins C, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cysteine-rich, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cystinosis, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(cytokine-suppressive antiinflammatory drug-binding 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(defender against cell death 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(deleted in azoospermia, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Mutation  
(deletion, detection of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sialoglycoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(dentin sialophosphoprotein, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(deoxycorticosterone, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Allele frequency  
Genetic polymorphism  
(detection of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(diaphanous 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (diastrophic dysplasia sulfate-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Head  
 (disease, holoprosencephaly, gene HPE1 and HPE2 and HPE3 and HPE4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dopamine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (doublecortins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Enzymes, properties  
 RL: ANT (Analyte); PRP (Properties); ANST (Analytical study)  
 (drug-metabolizing, genetic variation in; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Mutation  
 (duplication, detection of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dynorphin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dysferlin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dyskerins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Nervous system  
 (dystonia, genes DYT1 and DYT3 and DYT6 and DYT7 and CSE, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dystrophin-assocd., 35,000-mol.-wt., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dystrophin-assocd., 43,000-mol.-wt., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Glycoproteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (dystrophin-assocd., 50,000-mol.-wt., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- IT Initiation factors (protein formation)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(eIF-4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ect2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Flavoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(electron-transporting flavoproteins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(emerins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(empty spiracles homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(endobrevins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Heart  
(endocardium, fibroelastosis 2, gene EFE2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(endometrial bleeding-assocd. factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ephrin A and B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(erythroid Kruppel-like factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(exotosin 1 and 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Intestine, neoplasm  
(familial polyposis, clin. management of; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(fertilin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(folate, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(folate-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(follicular lymphoma variant translocation gene FVT1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(frataxins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chemokine receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(fusin, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ganglioside GM2-activator, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gap junction-specific, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gastrointestinal hormone receptors  
Gastrointestinal hormone receptors  
Peptide receptors  
Peptide receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gastric inhibitory polypeptide, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gastrulation brain homeobox 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene BCL1 and BCL4 through BCL10, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening**)

- and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene ECL2-related A1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Cockayne's syndrome  
(gene CKN1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Deafness  
(gene DFNA3 AND DDP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene ERCC1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene ERCC2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene ERCC3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene ERCC4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene ERCC6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Kallmann syndrome  
(gene KAL1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene RAD51, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene RAD52, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene RAD54, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene RAD55, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene RAD57, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Sjogren's syndrome  
(gene SSA1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene TFE3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Wiskott-Aldrich syndrome  
(gene WASP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene WT2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene WT4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene bcl-3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene c-erbB4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene mut1, homolog, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene mutS, homolog 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Genome  
Genotyping (method)  
Health  
Nucleic acid hybridization  
Prognosis  
Test kits  
(gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)  
(gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Antibodies  
Probes (nucleic acid)



- RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene smoothened, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene wnt2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene wnt4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene wnt5, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene wnt7, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gene wnt8, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(geniospasm 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gephyrins, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurotrophic factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glial-derived neurotrophic factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Neurotrophic factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glial-derived, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Chloride channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glioma CCC, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (glucose phosphate-transporting, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glucose-transporting, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glucose/galactose-transporting, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glutamate-transporting, 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glutamine-transporting, core group of disease-related genes; gene probes used for genetic **profiling** in **healthcare** screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glycine-transporting, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Glycophorins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glycophorin B, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Glycophorins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glycophorin C, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(glypican 3, core group of disease-related genes; gene probes used for **genetic** profiling in **healthcare** screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(green cone pigment, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(growth arrest-specific homeobox, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (growth factor receptor-bound protein 2, core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(growth-related, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening **and** planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(guanylate cyclase-activating 1A, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(gusducin .alpha., core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Kinesins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(heavy and light chains, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hepatic 1 and 2, core group of disease-related genes; gene probes **used** for genetic **profiling** in healthcare screening and planning)
- IT Growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(heregulin, ErbB-3, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and **planning**)
- IT Growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(heregulin, erbB-3, core group of disease-related genes; gene probes **used** for genetic profiling **in** healthcare screening and planning)
- IT Kininogens  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(high-mol.-wt., core group of disease-related genes; gene probes **used** for genetic profiling in healthcare **screening** and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hsl, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hs2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and **planning**)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(huntingtin, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)

- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hydrogen ion-sodium-exchanging, 1-5, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(hydrogen ion-transporting, VPP1 and VPP3, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Embryo, animal  
(hypohidrotic ectodermal dysplasia, gene ED1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Mutation  
(insertion, detection of; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(insulin promoter factor 1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(int-2, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT CD antigens  
CD antigens  
Integrins  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(integrin .alpha.7, core group of disease-related genes; gene probes **used for genetic profiling** in healthcare screening and planning)
- IT CD antigens  
CD antigens  
Integrins  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(integrin .beta.5, core group of disease-related genes; gene probes **used for genetic profiling** in healthcare screening and planning)
- IT CD antigens  
CD antigens  
Integrins  
Integrins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(integrin .beta.7, core group of disease-related genes; gene probes **used for genetic profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interferon regulatory factor 4, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)

- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 10 receptors, core group of disease-related genes; gene probes used for genetic profiling in **healthcare** screening and planning)
- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 11, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 12, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 13, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Interleukin receptors  
Interleukin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(interleukin 9, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Lipoprotein receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(intermediate-d. lipoprotein receptors, core group of disease-related genes; gene probes **used** for genetic profiling in **healthcare screening** and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(kinectins, core group of disease-related genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(lamins, A/C, core group of disease-related genes; gene **probes** used for genetic profiling in **healthcare screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(latent transforming growth factor-.beta.-binding 2, core group of **disease-related** genes; gene probes used for genetic profiling in **healthcare screening** and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(leukocyte-specific transcript 1, core group of disease-related genes; gene **probes** used for genetic profiling in **healthcare screening** and planning)
- IT Leukotriene receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(leukotriene B4, core group of disease-related genes; gene probes used

- for genetic profiling in healthcare screening and planning)
- IT Leukotriene receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(leukotriene D4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Immunoglobulins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(light chains, .kappa. const. and variable regions, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Muscular dystrophy  
(limb-girdle, Genes LHX1 and LHX2 and LHX3 and LHX4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(limbic-assocd. membrane, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Potassium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(long QT-type 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(loricrins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Lipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(low-d., 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Lipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(low-d., 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(lpsa, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(lunatic fringe secreted, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(lymphoblastic leukemia-derived sequence 1, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (lymphoid enhancer-binding factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Lymphokine receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (lymphotoxin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Cytokine receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (macrophage inflammatory protein 1.alpha. receptors, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Chemokines
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (macrophage inflammatory protein, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Cytokine receptors
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (macrophage inflammatory protein-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Cytokines
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (macrophage-activating factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Eye, disease
  - (macular dystrophy, gene VMD1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (malignant proliferation MPE, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (manic fringe secreted, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Agglutinins and Lectins
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (mannose-binding, 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (mannose-binding, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class
  - RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

- (marenostrians, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mdm-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Pituitary hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(melanocortin 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Pituitary hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(melanocortin 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Pituitary hormone receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(melanocortin, melanocortin 2 receptors, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(menin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mesoderm-specific transcript, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(met, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(microphthalmia-assocd., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(microtubule-assocd., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(midline 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(mismatch repair gene PMS1 and PMS2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Mutation



- (missense, detection of; gene probes used for genetic profiling in healthcare screening and **planning**)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (monoamine-transporting, 1 and 2, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (monocarboxylic acid-transporting, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Lipids, biological studies  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (mucolipids, metabolic disorders, mucopolipidosis, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (mycylins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Myeloproliferative disorders  
 (myelodysplasia, gene MDS1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Lymphokines  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (myeloid leukemia factor-1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (myomesins, 1 and 2, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Vision  
 (myopia, genes MYP1 and MYP2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (myosin-binding C, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (myotubularins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (natural resistance-assocd. macrophage protein 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neutrophil, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Kidney, disease  
(nephronophthisis 1 and 2, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neural retina-specific, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neurexins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Growth factors, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neurite extension factors, 2, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Growth inhibitors, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neurite growth inhibitors, core group of disease-related genes; gene probes used for genetic profiling **in** healthcare screening and planning)
- IT Protein receptors  
Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neuronal mol.-1, core group of disease-related genes; gene **probes** used **for** genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neurotransmitter-transporting, core group of disease-related genes; gene probes used **for** **genetic** profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neutral amino-acid-transporting, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(neutrophil cystolic factor 1 and 2, core group of disease-**related** genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(niacin, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (nibrins, core group of disease-related genes; gene probes used for  
**genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (nodal, core group of disease-related genes; gene probes used for  
**genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (noggin, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)
- IT Calcium channel  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (non-voltage gated 1 .alpha. and .beta. and .gamma. and type IV  
 .alpha. and .beta., core group of disease-related genes; gene  
 probes used for genetic profiling in healthcare screening and planning)
- IT Mutation  
 (nonsense, detection of; gene probes used for genetic profiling in  
 healthcare screening and **planning**)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (norepinephrine-transporting, core group of disease-related genes; gene  
 probes used for **genetic** profiling in healthcare screening and  
 planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (nuclear mitotic app. protein 1, core group of disease-related  
**genes**; gene probes used for genetic profiling in healthcare  
 screening and planning)
- IT Albinism  
 (ocular, type 1, gene OAl, core group of disease-related genes; gene  
 probes used for genetic **profiling** in healthcare screening and  
 planning)
- IT Albinism  
 (oculocutaneous, gene OCA2, core group of disease-related genes; gene  
 probes used for **genetic** profiling in healthcare screening and  
 planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (oligophrenin-1, core group of disease-related genes; gene probes  
**used** for genetic profiling in healthcare screening and  
 planning)
- IT Cytokine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (oncostatin M, core group of disease-related genes; gene probes used  
 for **genetic** profiling in healthcare screening and planning)
- IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (orexin 1 and 2, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (org. anion-transporting, core group of disease-related genes; gene  
 probes used for genetic profiling **in** healthcare screening and

- planning)

IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (otoferlins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Cyclin dependent kinase inhibitors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (p16INK4, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Cyclin dependent kinase inhibitors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (p21CIP1/WAF1, core group of disease-related genes; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Cyclin dependent kinase inhibitors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (p27KIP1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (p54, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transcription factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (paired box homeodomain 2 and 3, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (pancreatic lipase-related 1 and 2, core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Paralysis  
 (paraplegia, gene SPG7, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (parkins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (peanut-like 1, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (pendrins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Transport proteins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (peptide-transporting, core group of disease-related genes; gene probes

- used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(peripherins (eye rod outer segment), core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(peripherins (neuronal intermediate filament), core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(peroxisomal membrane protein 3, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(peroxisome 1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Peroxisome proliferators  
(peroxisome biogenesis factors 1 and 6 and 7, core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(phosphatase and tensin homolog, core group of disease-related genes; **gene** probes used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(phosphatidylinositol transfer protein, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Glycophospholipids  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(phosphatidylinositol-contg., core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(pim-1, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(plakophilin 1, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(platelet glycoprotein 1b.alpha. and 1b.beta. and 1b.delta. **and** IX and V, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(plectins, 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(pleiotrophin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Kidney, disease  
(polycystic, gene PKHD1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(polycystins, 1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(postsynaptic d.-95, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(pre-B-cell leukemia 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Disease, animal  
(prognosis and management of; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(prohibitins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(proline-rich, BstNI subfamily 1 and 3 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Leukemia  
(promyelocytic, gene PML, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(prosaposins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(pti-1sea, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (pvt-1, core group of disease-related genes; gene probes used for  
**genetic** profiling in healthcare screening and planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (r-myc, core group of disease-related genes; gene probes used for  
**genetic** profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (rabphilins, 3A, core group of disease-related genes; gene probes  
**used** for genetic profiling in healthcare screening and  
 planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (rabphilins, core group of disease-related genes; gene probes used  
**for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (radical fringe secreted, core group of disease-related genes; gene  
**probes** used for genetic profiling in healthcare screening and  
 planning)
- IT Mutation  
 (rearrangement, detection of; gene probes used for genetic profiling in  
 healthcare screening and **planning**)
- IT Pleiotrophins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (receptors, core group of disease-related genes; gene probes used for  
 genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (red cone pigment, core group of disease-related genes; gene  
**probes** used for genetic profiling in healthcare screening and  
 planning)
- IT Gene, animal  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (ret, core group of disease-related genes; gene probes used for genetic  
**profiling** in healthcare screening and planning)
- IT Eye, disease  
 (retinitis pigmentosa, genes RP1 and RP2 and RP3 and RP6, core group  
**of** disease-related genes; gene probes used for genetic  
 profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (retinol-binding, 1 and 2 and 4, core group of disease-related  
**genes**; gene probes used for genetic profiling in healthcare  
 screening and planning)
- IT Eye, disease  
 (retinoschisis gene RS, core group of disease-related genes; gene  
 probes **used for** genetic profiling in healthcare screening and  
 planning)
- IT Brain, neoplasm  
 (rhabdoid, gene SMARCB1, core group of disease-related genes; gene  
 probes **used for** genetic profiling in healthcare screening and  
 planning)
- IT Proteins, specific or class

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(rod outer membrane segment membrane protein 1, core group of **disease**-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(semaphorin A4 and A5 and D and E and F **and** W, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(serotonin-transporting, core group of disease-related genes; gene probes used for **genetic** profiling in healthcare screening and planning)
- IT Immunodeficiency  
(severe combined, gene SCIDA, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(short stature homeobox, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(sine oculis homeobox homolog 1 and 2 and 5, core **group** of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Ribonucleoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(small nuclear RNA-contg., N, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(smoothelins, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(solute carrier family, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Hedgehog protein  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(sonic, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(sorcin, core group of disease-related genes; gene probes used **for** genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)



- (sperm adhesion mol., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Nervous system  
(spinocerebellar ataxia, gene SCA8, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Mutation  
(splice site, detection of; gene probes used for genetic profiling in healthcare screening and planning)
- IT Enzymes, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(stratum corneum chymotryptic, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(surfeit 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(survival of motor neuron 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(synapsins II, 2a and 2b, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Phosphoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(synapsins, I, 1a and 1b, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transport proteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(synaptic vesicle amine-transporting, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(synaptic vesicle protein 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(synaptogyrins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(synaptosomal-assocd., 25,000-mol.-wt., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

- IT Syndecans  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(syndecan-2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Syndecans  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(syndecan-4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Syndecans  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(syndecans-1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tc21, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transcription factors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(termination 1 and 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(testis-specific protein Y, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(thyroid receptor auxiliary, core group of disease-related genes; 1gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(thyrotroph embryonic factor, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Globulins, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(thyroxine-binding, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT G proteins (guanine nucleotide-binding proteins)  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(transducing GNAT1 and GNAT2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(translationally-controlled tumor protein 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(treacle, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tremor, essential, 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(triglyceride-transferring, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Peptides, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(trypsinogen-activating, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tubby-like protein 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Brain, disease  
(tuberous sclerosis, gene TSC1 and TSC2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor necrosis factor receptor-assocd. factor 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor necrosis factor receptor-assocd. factor 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor necrosis factor receptor-assocd. factor 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor necrosis factor receptor-assocd. factor 5, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor necrosis factor receptor-assocd. factor 6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal

- RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor suppressor, DRA, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor-assocd. p63, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(tumor-assocd. p73, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Complement receptors  
Fibroblast growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type 1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Complement receptors  
Fibroblast growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Fibroblast growth factor receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type I, .alpha.1 and .alpha.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type II, .alpha.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Activin receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type IIB, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type III, .alpha.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type IV, .alpha.1 through .alpha.6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type IX, .alpha.2 and .alpha.3, core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type V, .alpha.1 and .alpha.2, core group of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type VI, .alpha.1 and .alpha.2 and .alpha.3, core **group** of disease-related **genes**; gene probes used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type VII, .alpha.1, core group of disease-related **genes**; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type X, .alpha.1, core group of disease-related **genes**; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Collagens, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(type XVII, .alpha.1, core group of disease-related **genes**; gene probes **used** for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ubiquitin fusion degeneration 1-like, core group of disease-related **genes**; gene probes **used for** genetic profiling in healthcare screening and planning)
- IT Enzymes, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ubiquitin-activating, core group of disease-related **genes**; gene probes **used for genetic profiling** in healthcare screening and planning)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(undulins, 1, core group of disease-related **genes**; gene probes **used for genetic profiling** in healthcare screening and planning)
- IT Peptides, biological studies  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(vasoinhibitory, core group of disease-related **genes**; gene probes **used for genetic profiling** in healthcare screening **and planning**)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(vavtrk, core group of disease-related **genes**; gene probes **used for genetic profiling** in healthcare screening and planning)

- IT Lipoproteins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(very-low-d., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT Calcium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(voltage-dependent, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Potassium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(voltage-gated E1 and Q1 and Q2 and Q3 and Q4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Calcium channel  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(voltage-gated type 1.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Nervous system  
(von Hippel-Lindau disease, gene VHL, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(winged helix nude, core group of disease-related genes; gene **probes** used for genetic profiling in healthcare screening and planning)
- IT Skin, disease  
(xeroderma pigmentosum I, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(yes, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Gene, animal  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(yuasa, core group of disease-related genes; gene probes used for genetic **profiling** in healthcare screening and planning)
- IT Adhesins  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(zonadhesins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Opioid receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.kappa.-opioid, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT GABA receptors  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(.alpha. and .beta. and .gamma. subunits, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

- IT Fibrinogens  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta. and .gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Glycine receptors  
 Granulocyte-macrophage colony-stimulating factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Catenins  
 Interferons  
 Interleukin 8 receptors  
 Peroxisome proliferator-activated receptors  
 Thyroid hormone receptors  
 Vitronectin receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Actinins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.-, 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Actins  
 Spectrins  
 Transforming growth factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Thalassemia  
 (.alpha.-, gene ATRX, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interleukin 2 receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.-chain, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.-tectorin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.-tocopherol-binding, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Haptoglobin  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.1 and .alpha.2, core group of disease-related genes; gene

probes used for genetic profiling in healthcare screening and planning)

IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.8, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.9, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Crystallins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.A-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Crystallins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.B-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Adrenoceptors  
 Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Adrenoceptors  
 Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Macroglobulins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.2-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.2-macroglobulin, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha.5, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)

IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL



- (Biological study); USES (Uses)  
 (.alpha.6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Chemokine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta. chemokine receptor CCR2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Chemokine receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta. chemokine receptor CCR3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interferons  
 Interleukin 8 receptors  
 Thyroid hormone receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Actins  
 Catenins  
 Spectrins  
 Transforming growth factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interleukin 2 receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.-chain, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Proteins, specific or class  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.-galactosidase-protective, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transforming growth factors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.-induced, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Transforming growth factor receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.-transforming growth factor type II, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Adrenoceptors  
 Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.1, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Adrenoceptors  
 Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

- (Biological study); USES (Uses)  
 (.beta.2, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Microglobulins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.2-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Adrenoceptors  
 Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.3, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.4, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Integrins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.6, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Catenins  
 Interferons  
 Peroxisome proliferator-activated receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Crystallins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.gamma.-, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Actins  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.gamma.-actins, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interleukin 2 receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.gamma.-chain, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Interferon receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.gamma.-interferon, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Opioid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.delta.-opioid, core group of disease-related genes; gene probes used for genetic profiling in healthcare screening and planning)
- IT Opioid receptors  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.mu.-opioid, core group of disease-related genes; gene probes used for

- genetic profiling in healthcare screening and planning)
- IT 9032-64-8  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1 and 2 and 3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 80146-85-6  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1 and 2 and 4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9002-08-8, Trypsinogen 9004-06-2, Elastase 39391-18-9 59536-73-1  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1 and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9002-72-6, Somatotropin 9023-88-5 9031-68-9, Galactosyltransferase 37205-61-1, Proteinase inhibitor 152166-53-5  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9038-14-6  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1-4, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 76901-00-3  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(1B and 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 56626-18-7, Fucosyltransferase  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(2 and 3 and 6, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 39391-18-9  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9035-37-4, Cytochrome b  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(245.alpha. and 245.beta., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9001-01-8, Kallikrein  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(3, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9001-60-9 9001-66-5 9012-33-3  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A and B, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9031-96-3, Peptidase  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(A and C and E and S, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)

- planning)
- IT 9033-07-2, Glycosyltransferase  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(ABO blood group, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9002-69-1, Relaxin  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(H1 and H2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 86480-67-3  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(I1, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 213903-53-8, Cryptochrome 1  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(and cryptochrome 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 50-56-6, Oxytocin, biological studies 70-18-8, biological studies  
113-79-1 1393-25-5, Secretin 9000-81-1 9000-83-3 9000-86-6  
9000-90-2 9000-92-4, Amylase 9000-94-6, Antithrombin 9000-96-8,  
Arginase 9000-97-9 9001-03-0 9001-05-2, Catalase 9001-06-3,  
Chitinase 9001-08-5 9001-10-9, Pepsinogen A 9001-12-1, Collagenase  
9001-15-4 9001-16-5 9001-18-7 9001-24-5, Blood-coagulation factor V  
9001-25-6, Blood-coagulation factor VII 9001-27-8 9001-28-9,  
Blood-coagulation factor IX 9001-29-0, Blood-coagulation factor X  
9001-30-3, Blood-coagulation factor XII 9001-36-9 9001-39-2  
9001-40-5 9001-41-6 9001-42-7 9001-45-0 9001-47-2, Glutaminase  
9001-48-3 9001-50-7 9001-51-8 9001-52-9 9001-54-1, Hyaluronidase  
9001-58-5 9001-59-6 9001-63-2, Lysozyme 9001-64-3 9001-67-6,  
Neuraminidase 9001-69-8 9001-75-6, Pepsin A 9001-80-3 9001-81-4  
9001-83-6 9001-84-7, Phospholipase A2 9001-86-9, Phospholipase C  
9001-88-1 9001-91-6, Plasminogen 9001-97-2 9002-02-2 9002-03-3  
9002-10-2 9002-12-4 9002-61-3 9002-62-4, Prolactin, biological  
studies 9002-64-6, Parathormone **9002-68-0, Follicle-**  
**stimulating hormone** 9002-71-5, Thyrotropin  
9002-76-0, Gastrin (hormone) 9003-99-0, Peroxidase 9004-02-8  
9004-10-8, Insulin, biological studies 9007-43-6, Cytochrome c,  
biological studies 9011-97-6, Cholecystokinin 9012-25-3 9012-31-1  
9012-39-9 9012-42-4 9012-47-9 9012-49-1 9012-52-6 9012-56-0,  
Amidase 9012-78-6 9012-90-2 9012-93-5 9012-96-8 9013-02-9  
9013-08-5 9013-18-7 9013-38-1 9013-55-2, Blood-coagulation factor XI  
9013-56-3, Blood-coagulation factor XIII 9013-66-5 9013-75-6  
9014-08-8 9014-19-1 9014-24-8 9014-36-2 9014-42-0, Thrombopoietin  
9014-48-6, Transketolase 9014-51-1 9014-55-5 9014-56-6 9014-74-8  
9015-67-2 9015-71-8, Corticotropin-releasing factor 9015-81-0  
9015-82-1 9015-83-2 9015-85-4 9015-94-5, Renin, biological studies  
9016-11-9 9016-12-0 9016-17-5 9016-18-6 9023-26-1, Coenzyme  
A-transferase 9023-56-7 9023-58-9 9023-62-5 9023-64-7 9023-69-2  
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9024-25-3 9024-52-6 9024-58-2 9024-70-8 9024-78-6, Kynureninase  
9024-93-5, Dihydroorotase 9024-99-1 9025-06-3 9025-10-9 9025-15-4,  
Biotinidase 9025-26-7, Cathepsin D 9025-32-5 9025-35-8 9025-42-7  
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9027-27-4, .beta.-Ureidopropionase 9027-33-2 9027-34-3 9027-43-4  
9027-44-5 9027-46-7 9027-67-2 9027-80-9 9027-81-0 9027-88-7  
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 9029-87-2 9029-97-4 9030-08-4 9030-21-1 9030-42-6 9030-50-6  
 9030-53-9 9030-66-4 9030-74-4, Dihydropyrimidinase 9030-83-5  
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 9031-37-2, Ceruloplasmin 9031-54-3, Sphingomyelinase C 9031-61-2  
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 Carboxypeptidase 9032-02-4 9032-22-8 9032-28-4 9032-29-5  
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 9032-89-7 9034-39-3, Somatoliberin 9034-40-6, Luteinizing  
 hormone-releasing factor 9035-34-1, Cytochrome a 9035-39-6, Cytochrome  
 b5 9035-51-2, Cytochrome P 450, biological studies 9035-54-5  
 9035-58-9, Blood-coagulation factor III 9035-74-9, Phosphorylase  
 9035-75-0, Chymotrypsinogen 9035-81-8, Trypsin inhibitor 9036-20-8  
 9036-22-0 9036-23-1 9036-37-7 9036-43-5 9037-14-3 9037-21-2  
 9037-42-7 9037-65-4

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)

IT 9037-67-6 9037-68-7 9039-06-9 9039-45-6 9040-57-7 9041-46-7  
 9041-92-3 9042-64-2 9044-50-2 9044-85-3 9044-86-4, Dehydratase  
 9046-27-9 9047-22-7, Cathepsin B 9047-64-7 9048-63-9 9050-70-8  
 9054-54-0, Acyltransferase 9054-63-1 9054-65-3 9054-75-5 9054-84-6  
 9054-89-1 9055-02-1, Kallikreinogen 9055-67-8 9056-26-2 9059-22-7  
 9059-25-0 9060-09-7, Blastokinin 9061-61-4, Nerve growth factor  
 9067-97-4 9068-41-1 9068-44-4 9068-57-9 9068-75-1 9073-56-7  
 9074-10-6 9074-11-7 9074-91-3 9075-24-5, Aspartylglucosylaminase  
 9075-65-4 9075-81-4 9076-84-0 9077-03-6 9079-67-8 9080-21-1  
 9081-34-9 9082-57-9 9082-72-8 11002-13-4, Angiotensinogen (protein  
 renin substrate) 11016-39-0, Complement factor P 11096-26-7,  
 Erythropoietin 12651-27-3, Transcobalamin I 12651-28-4, Transcobalamin  
 II 24305-27-9 37184-63-7 37211-69-1 37213-56-2, Complement factor  
 D 37221-79-7, Vasoactive intestinal polypeptide 37228-64-1  
 37233-48-0 37255-32-6 37255-38-2 37255-40-6 37256-36-3  
 37257-08-2 37257-17-3 37257-19-5 37270-64-7 37274-61-6  
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 39362-14-6, Prolactin-releasing factor 39379-15-2, Neurotensin  
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 G 58319-92-9 59299-00-2 59392-49-3, Gastric inhibitory polypeptide  
 59536-74-2 59828-56-7 59977-51-4 60202-16-6, Blood-coagulation  
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 60748-73-4, Cathepsin H 60832-04-4 61116-24-3 61512-21-8, Thymosin  
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 molybdenum cofactor 73562-26-2 74506-38-0 74812-49-0 74870-74-9  
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 78990-62-2, Calpain 79955-99-0, Stromelysin 1 80043-53-4,  
 Gastrin-releasing peptide 80295-33-6, Complement C1q 80295-34-7,  
 Complement C1r 80295-35-8, Complement C1s 80295-38-1 80295-40-5,  
 Complement C2 80295-41-6, Complement C3 80295-49-4, Complement C4a  
 80295-50-7, Complement C4b 80295-53-0, Complement C5 80295-56-3,  
 Complement C6 80295-57-4, Complement C7 80295-58-5, Complement C8  
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Complement factor I 80497-65-0, Muellierian-inhibiting hormone  
 81181-72-8 81604-65-1, Heparin cofactor II 81627-83-0,  
 Colony-stimulating factor 1 82707-54-8, Neprilysin 82785-45-3,  
 Neuropeptide Y 82869-38-3 83869-56-1, Colony-stimulating factor 2  
 85637-73-6, Atrial natriuretic peptide 85638-40-0 86551-03-3  
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 factor 3 93928-65-5 94716-09-3, Cathepsin K 95567-84-3 97089-82-2  
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 109319-16-6 109489-77-2, Tetranectin 110910-42-4, Cathepsin E  
 111694-13-4 114101-80-3 114949-22-3, Activin (protein) 115966-66-0,  
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 117628-82-3, Follistatin 117698-12-1 119418-04-1, Galanin  
 120178-12-3 121797-22-6, Histatin 2 122097-00-1 122191-40-6  
 122879-69-0, Endothelin 2 123626-67-5, Endothelin 1 124861-55-8  
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 140610-48-6, Stromelysin 2 141176-92-3 141256-52-2, Matrilysin  
 141349-86-2

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)

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 142008-29-5 142243-02-5 142243-03-6 142805-56-9 142805-58-1  
 143180-75-0 143375-65-9 144697-17-6 144940-98-7, Guanylin  
 145267-01-2, Stromelysin 3 145809-21-8 146480-35-5, Gelatinase A  
 146480-36-6, Gelatinase B 146702-84-3 147014-96-8 147014-97-9  
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 150605-49-5 151662-20-3 151769-16-3 151821-61-3, Ubiquitin B  
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 154531-34-7 154907-66-1 157482-36-5 157857-10-8, Prostatin  
 161052-08-0 161384-17-4 169494-85-3, Leptin 169592-56-7, Apopain  
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 194368-66-6, Angiopoietin 2 194554-71-7 194739-73-6 202420-40-4  
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 252351-86-3 252354-25-9

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(core group of disease-related genes; gene probes used for genetic  
 profiling in healthcare **screening** and planning)

IT 9001-62-1

RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)

(hepatic, core group of disease-related genes; gene probes used for

- genetic profiling in healthcare **screening** and planning)
- IT 80449-02-1  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (lymphocyte-specific, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9001-77-8  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (lysosomal 2, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 64-85-7  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (receptor, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9025-75-6  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (regulatory subunit PPP1R3 and A, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9001-78-9  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (tissue nonspecific TNSAP, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 79747-53-8  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (type 12, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 158736-49-3, .beta.-Secretase  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta. and .gamma., core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 57285-09-3, Inhibin  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.alpha. and .beta.A and .beta.B and .beta.C subunits, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- IT 9002-67-9, Luteinizing hormone  
 RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
 (.beta.-subunit, core group of disease-related genes; gene probes used for genetic profiling in healthcare **screening** and planning)
- L61 ANSWER 10 OF 15 HCAPLUS COPYRIGHT 2002 ACS  
 AN 1999:223812 HCAPLUS  
 DN 131:14642  
 TI Random mutagenesis and **screening** of complex glycoproteins: expression of human gonadotropins in Dictyostelium discoideum  
 AU Linskens, Maarten H. K.; Grootenhuys, Peter D. J.; Blaauw, Mieke; Winkel, Bianca Huisman-De; Van Ravestein, Arno; Van Haastert, Peter J. M.; Heikoop, Judith C.  
 CS Cell Engineering Facility GBB, University of Groningen, Groningen, 9747 AG, Neth.  
 SO FASEB Journal (1999), 13(6), 639-645

CODEN: FAJOEC; ISSN: 0892-6638

PB Federation of American Societies for Experimental Biology

DT Journal

LA English

CC 3-2 (Biochemical **Genetics**)

Section cross-reference(s): 2, 16

AB The soil amoeba Dictyostelium discoideum is a host cell that provides simple genetics in combination with complex protein synthesis. We show that the complex human heterodimeric gonadotropins can be produced and secreted by this organism. Furthermore, both **FSH** and choriogonadotropin produced by D. dictyostelium bind to their human receptors and elicit a biol. response comparable to the wild-type hormones. We also show that structure-function anal. using random mutagenesis and **screening** of recombinant glycoprotein hormones is feasible. Thus, expression of gonadotropins in D. dictyostelium opens the way to the engineering of potential new therapeutic analogs.

ST gonadotropin expression Dictyostelium mutagenesis **screening**

IT Dictyostelium discoideum

**Drug screening**

Mutagenesis

Structure-activity relationship

(human gonadotropin expression in Dictyostelium discoideum for random mutagenesis and **screening**)

IT Gonadotropins

RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); PROC (Process)

(human gonadotropin expression in Dictyostelium discoideum for random mutagenesis and **screening**)

IT 9002-61-3P, Choriogonadotropin 9002-68-0P, **FSH**

RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); PROC (Process)

(human gonadotropin expression in Dictyostelium discoideum for random mutagenesis and **screening**)

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD

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L61 ANSWER 11 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 1997:696874 HCAPLUS

DN 127:355666

TI Manufacture of soluble anterior pituitary hormone receptors as cleavable fusion products with a membrane anchor peptide

IN Hsueh, Aaron J. W.; Kobilka, Brian K.; Kudo, Masataka

PA Leland Stanford Junior University, USA

SO PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N015-62

ICS C12N015-63; C12N015-70; C12N015-79; C07K019-00

CC 2-5 (Mammalian Hormones)

Section cross-reference(s): 3

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9739131	A1	19971023	WO 1997-US6117	19970414 <--
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2250975	AA	19971023	CA 1997-2250975	19970414 <--
	AU 9727282	A1	19971107	AU 1997-27282	19970414 <--
	EP 910648	A1	19990428	EP 1997-921166	19970414 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 5925549	A	19990720	US 1997-837151	19970414 <--
	JP 2001519650	T2	20011023	JP 1997-537262	19970414 <--
PRAI	US 1996-15450P	P	19960415 <--		
	WO 1997-US6117	W	19970414 <--		

AB A method of manufg. the extracellular domain of 7-transmembrane domain G-protein coupled receptor, specifically a glycoprotein hormone receptor, in a form that can be easily solubilized is described. The solubilized ligand binding domains have a no. of therapeutic uses. The domain is manufd. as a fusion protein with a membrane anchor domain appropriate for the expression host with a cleavable peptide linker. The domain can then be released by treatment with a cleavage reagent, specifically a proteinase. Manuf. of LH, FSH, and TSH as fusion products with CD8 antigen using 293 cells as expression hosts for pCDNA-derived expression constructs is described. The FSH receptor fusion protein retained a high affinity for FSH and the sol. extracellular domain inhibited FSH action in vitro. The protein was also able to induce apoptosis in rat testis cells upon injection.

ST soluble anterior pituitary hormone receptor prep  
 IT G protein-coupled receptors  
 RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (7-transmembrane domain, manuf. of sol.; manuf. of sol. anterior pituitary hormone receptors as cleavable fusion products with membrane anchor peptide)

IT Chimeric gene  
 Chimeric gene  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (animal, for receptor fusion proteins; manuf. of sol. anterior pituitary hormone receptors as cleavable fusion products with membrane

- anchor peptide)
- IT Pituitary hormone receptors
  - RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified);
  - RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); PREP
  - (Preparation); RACT (Reactant or reagent); USES (Uses)
  - (anterior; manuf. of sol. anterior pituitary hormone receptors as
  - cleavable fusion products with membrane anchor peptide)
- IT Gene, animal
  - Gene, animal
  - RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
  - (Uses)
  - (chimeric, for receptor fusion proteins; manuf. of sol. anterior
  - pituitary hormone receptors as cleavable fusion products with membrane
  - anchor peptide)
- IT Antitumor agents
  - Contraceptives
  - (extracellular receptor domains as; manuf. of sol. anterior pituitary
  - hormone receptors as cleavable fusion products with membrane anchor
  - peptide)
- IT Peptidomimetics
  - (extracellular receptor domains for screening of; manuf. of sol.
  - anterior pituitary hormone receptors as cleavable fusion products with
  - membrane anchor peptide)
- IT Drug screening
  - (extracellular receptor domains for use in; manuf. of sol. anterior
  - pituitary hormone receptors as cleavable fusion products with membrane
  - anchor peptide)
- IT Calcitonin receptors
  - FSH receptors**
  - Glucagon-like peptide-1 receptors
  - Gonadotropin receptors
  - Parathyroid hormone receptors
  - Thyrotropin receptors
  - VIP receptors
  - RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified);
  - RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); PREP
  - (Preparation); RACT (Reactant or reagent); USES (Uses)
  - (fusion products with CD8, prepn. and cleavage of; manuf. of sol.
  - anterior pituitary hormone receptors as cleavable fusion products with
  - membrane anchor peptide)
- IT CD8 (antigen)
  - RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified);
  - RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); PREP
  - (Preparation); RACT (Reactant or reagent); USES (Uses)
  - (fusion products with receptors, prepn. and cleavage of; manuf. of sol.
  - anterior pituitary hormone receptors as cleavable fusion products with
  - membrane anchor peptide)
- IT Apoptosis
  - (induction by FSH extracellular domain of; manuf. of sol.
  - anterior pituitary hormone receptors as cleavable fusion products with
  - membrane anchor peptide)
- IT Testis
  - (induction of apoptosis in; manuf. of sol. anterior pituitary hormone
  - receptors as cleavable fusion products with membrane anchor peptide)
- IT Glutamate receptors
  - RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified);
  - RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); PREP
  - (Preparation); RACT (Reactant or reagent); USES (Uses)
  - (metabotropic, fusion products with CD8, prepn. and cleavage of; manuf.
  - of sol. anterior pituitary hormone receptors as cleavable fusion
  - products with membrane anchor peptide)
- IT Plasmid vectors
  - (pCDNA3FCD8, chimeric gene for FSH receptor-CD8 fusion)

protein on; manuf. of sol. anterior pituitary hormone receptors as cleavable fusion products with membrane anchor peptide)

IT Plasmid vectors  
(pCDNA3LCD8, chimeric gene for LH receptor-CD8 fusion protein on; manuf. of sol. anterior pituitary hormone receptors as cleavable fusion products with membrane anchor peptide)

IT Plasmid vectors  
(pCDNA3TCD8, chimeric gene for TSH receptor-CD8 fusion protein on; manuf. of sol. anterior pituitary hormone receptors as cleavable fusion products with membrane anchor peptide)

IT Antibodies  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(to receptors, manuf. of extracellular domains as antigens for; manuf. of sol. anterior pituitary hormone receptors as cleavable fusion products with membrane anchor peptide)

IT 9001-92-7, Proteinase 9002-04-4, Thrombin  
RL: CAT (Catalyst use); USES (Uses)  
(fusion protein cleavage with; manuf. of sol. anterior pituitary hormone receptors as cleavable fusion products with membrane anchor peptide)

L61 ANSWER 12 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 1997:696860 HCAPLUS

DN 127:355930

TI Conditionally immortalized cell lines derived from transgenic animals and their toxicological and pharmacological uses

IN Rudland, Philip Spencer; Barraclough, Barry Roger; Kilty, Iain Charles; Davies, Barry Robert; Schmidt, Guenter

PA University of Liverpool, UK; Rudland, Philip Spencer; Barraclough, Barry Roger; Kilty, Iain Charles; Davies, Barry Robert; Schmidt, Guenter

SO PCT Int. Appl., 85 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N015-00

ICS C12N005-10; A01K067-027; G01N033-50; G01N033-68; C12N015-33; C07K014-025; C12N015-12; C07K014-475; C07K014-495

CC 3-1 (Biochemical Genetics)

Section cross-reference(s): 4, 14

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9739117	A1	19971023	WO 1997-GB1063	19970417 <--
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9725723	A1	19971107	AU 1997-25723	19970417 <--
EP 904363	A1	19990331	EP 1997-917342	19970417 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2000508897	T2	20000718	JP 1997-536877	19970417 <--
PRAI GB 1996-7953	A	19960417 <--		
WO 1997-GB1063	W	19970417 <--		

AB Provided is a cell line derived from a transgenic animal comprising (1) a conditional oncogene, transforming gene or immortalizing gene or a cell cycle affecting gene; and (2) a cell type specific promoter. They include a neuronal cell line in which the cell type specific promoter is an NF-L gene promoter, and a mammary cell line in which the cell type specific

promoter is a MMTV gene promoter. The conditional oncogene, transforming gene or immortalizing gene is preferably a SV40 tsA58 gene. Prodn. of transgenic Sprague Dawley rats by using mammary-targeting vector MMTVLTRtsA58U19 (contg. MMTV Long Terminal Repeat) or brain-targeting vector NF-LtsA58.delta.t (contg. human neurofilament light chain promoter), and prepn. of cell lines B2LT1 and NF2C from the mammary of MMTVLTRtsA58U19 transgenic rats and the brain of NF-LtsA58.delta.t transgenic rats, resp., were shown. Prodn. of transgenic rats carrying oncogene such as c-erb.beta.-2 or transforming growth factor .alpha. (TGF.alpha.) that are highly assocd. with breast cancer was also shown. The transgenic animals and their immortalized cell lines are useful for toxicol. and pharmacol. studies.

- ST transgenic animal immortalized cell line; breast cancer animal model rat; gene immortalization transformation oncogene transgenic animal; toxicol pharmacol transgenic animal cell line
- IT Animal cell line
  - (ECACC Accession no. 97032720; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Neurofilament proteins
  - RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (NF-L, brain-targeting promoter derived from gene for; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Gene, animal
  - RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (c-erbB2, transgenic rat contg.; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Kidney
  - Liver
  - Mammary gland
    - (cell lines from; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Promoter (genetic element)
  - RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (cell-specific; for prepn. transgenic animals; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Animal
  - Animal cell line
  - Disease models
  - Mammal (Mammalia)
  - Pharmacology
  - Toxicology
    - (conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Transformation, neoplastic
  - (immortalization; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Antigens
  - RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
  - (large T, mutant gene tsA58 of SV40 for prepn. transgenic animals; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)
- IT Genetic element
  - RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
  - (long terminal repeat, mammary-targeting promoter derived from MMTV

LTR; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)

IT Nerve  
(neuron, cell lines from; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)

IT Gene, animal  
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(oncogene; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)

IT Antitumor agents  
Carcinogens  
(**screening** of; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)

IT Rat  
(transgenic; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)

IT Transforming growth factors  
RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(.alpha.-, transgenic rat contg. gene for; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)

IT 9002-68-0, FSH  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(ovulation stimulated by; conditionally immortalized cell lines derived from transgenic animals and toxicol. and pharmacol. uses)

L61 ANSWER 13 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 1996:113481 HCAPLUS

DN 124:137837

TI Host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities

IN Young, Kathleen H.; Ozenberger, Bradley A.

PA American Cyanamid Co., USA

SO PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N015-00

ICS C12N001-19; C12N015-18; C12Q001-68; C12N015-62

CC 3-2 (Biochemical **Genetics**)

Section cross-reference(s): 2, 9

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9534646	A1	19951221	WO 1995-US6895	19950531 <--
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5989808	A	19991123	US 1994-259609	19940614 <--
CA 2195083	AA	19951221	CA 1995-2195083	19950531 <--
AU 9526066	A1	19960105	AU 1995-26066	19950531 <--
AU 706173	B2	19990610		
EP 765389	A1	19970402	EP 1995-920689	19950531 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
ZA 9504892	A	19960130	ZA 1995-4892	19950613 <--
LT 4230	B	19971027	LT 1997-4	19970113 <--

LV 11906	B	19980620	LV 1997-4	19970214 <--
US 6251602	B1	20010626	US 1999-263944	19990308 <--
US 6284519	B1	20010904	US 1999-305483	19990506 <--
PRAI US 1994-259609	A	19940614 <--		
WO 1995-US6895	W	19950531 <--		

AB This invention relates to novel modified host cells which express heterologous fused proteins and methods of **screening** for test samples having peptide-binding activity; wherein the modified host cell comprises: (a) a gene sequence encoding a heterologous fusion protein; said fusion protein comprising a first peptide of a peptide binding pair, or segment of said first peptide, which is joined to either a DNA binding domain or its corresponding transcriptional activation domain of a transcriptional activation protein; (b) a gene sequence encoding a heterologous fusion protein, said fusion protein comprising a second peptide of the peptide binding pair in (a), or a segment thereof, fused to either a DNA binding domain or its corresponding transcriptional activation domain, whichever one is not employed in (a); (c) a reporter gene operatively assocd. with the transcriptional activation protein, or a portion thereof; (d) optionally, a deletion or mutation in the chromosomal DNA of the host cell for the transcriptional activation protein if present in the selected host cell.

ST fusion protein method **screening** receptor ligand; peptide binding **screening** host fusion protein

IT Ribonucleic acid formation factors

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(Arg81, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Ribonucleic acid formation factors

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Sialoglycoproteins

RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)

(VCAM (vascular cell adhesion mol.); host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Antigens

RL: MSC (Miscellaneous)

(antigen recognition or presentation mol.; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Plasmid and Episome

(autonomously-replicating; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Proteins, specific or class

RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)

(gene AIC2A, transducer; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Amphibian

Aspergillus  
Eukaryote  
Fungi  
Immunomodulators  
Mammal  
Mutation  
Neurospora  
Pichia pastoris  
Saccharomyces cerevisiae  
Schizosaccharomyces pombe  
Yeast

(host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Animal growth regulators

Fibrinogens

Fibronectins

Integrins

Interferons

Ligands

Lymphokines and Cytokines

Peptides, biological studies

Receptors

RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)

(host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Peptides, biological studies

RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)

(insect differentiation; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Proteins, specific or class

RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)

(kh97, transducer; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT G proteins (guanine nucleotide-binding proteins)

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(ligands for G protein-coupled receptors; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Antibiotic resistance

(reporter gene conferring resistance; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Gene

RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(reporter; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT Ribonucleic acid formation factors

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

- (ADRI (alc. dehydrogenase II gene regulatory, 1), DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Antigen receptors  
Receptors  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(BCR (B-cell antigen receptors), host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(CAM, host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(E-CAM, host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Immunoglobulin receptors  
Receptors  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(FCR (Ig fragment Fc receptor), host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Glycoproteins, specific or class  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(ICAM (intercellular adhesion mol.), host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Histocompatibility antigens  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(MHC (major histocompatibility complex), host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Antigen receptors  
Receptors  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(TCR (T-cell antigen receptor), host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(Vmw65 (virion-assocd. stimulatory protein, 65,000-mol.-wt.), DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test



- samples with receptor-ligand interactions or peptide-binding activities)
- IT Animal growth regulators  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (blood platelet-derived growth factors, peptide ligand; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Animal growth regulators  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (ciliary neurotrophic factors, peptide ligand; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Proteins, specific or class  
 RL: ARG (Analytical reagent use); BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)  
 (fusion products, host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Proteins, specific or class  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (gene AIC2B, transducer; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (gene CUP2, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (gene GAL4, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (gene GCN4, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (gene HAP1, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

- activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USE3 (Uses)  
 (gene LAC9, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USE5 (Uses)  
 (gene MCML, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USE5 (Uses)  
 (gene PPR1, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USE5 (Uses)  
 (gene STE12, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USE5 (Uses)  
 (gene SUI5, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USE5 (Uses)  
 (gene lexA, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USE5 (Uses)  
 (gene qa-1F, DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Glycoproteins, specific or class  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (gp130, transducer; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand

- IT interactions or peptide-binding activities)
  - Proteins, specific or class
  - RL: MSC (Miscellaneous)
  - (green fluorescent, reporter gene; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Hemopoietins
  - RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)
  - (hematopoietic cell growth factors, host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Hemopoietins
  - RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)
  - (hematopoietic cell growth factors KL, peptide ligand; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Lymphokines and Cytokines
  - RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)
  - (interleukin 8, ligand for G-protein coupled receptor; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Lymphokines and Cytokines
  - RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)
  - (interleukins, host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Animal
  - (invertebrate, ligands for invertebrate receptors; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Gene, microbial
  - RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
  - (lacZ, reporter; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Lymphokines and Cytokines
  - RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)
  - (leukemia-inhibiting factor, peptide ligand; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Glycoproteins, specific or class
  - RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)
  - (selectins, host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

- IT Proteins, specific or class  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (signal-transducing, host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Animal growth regulators  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (transforming growth factors, peptide ligand; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Lymphokines and Cytokines  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (tumor necrosis factor, peptide ligand; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT Ribonucleic acid formation factors  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (yAP-1 (yeast activator protein 1), DNA-binding or transcription-activating domain; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT 9002-62-4, Prolactin, biological studies 9002-72-6, Growth hormone 9004-10-8, Insulin, biological studies 61912-98-9, Insulin-like growth factor 137181-56-7, Systemin  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT 1393-25-5, Secretin 9002-67-9, LH 9002-68-0, Follicle stimulating hormone 9002-71-5, Thyrotropin 9007-92-5, Glucagon, biological studies 9034-39-3, Growth hormone releasing factor 37221-79-7, Vasoactive intestinal peptide  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
 (ligand for G-protein coupled receptor; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT 9054-75-5, Guanylate cyclase  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (ligands for guanylyl cyclase receptors; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT 79747-53-8, Tyrosine phosphatase  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (ligands for tyrosine phosphatase receptors; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)
- IT 9035-54-5, Placental lactogen 9061-61-4, Nerve growth factor 11096-26-7, Erythropoietin 62031-54-3, Fibroblast growth factor 62229-50-9, Epidermal growth factor 106956-32-5, Oncostatin m

127464-60-2, Vascular endothelial growth factor  
 RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)

(peptide ligand; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

IT 9014-00-0, Luciferase 9040-07-7, Chloramphenicol acetyl transferase  
 RL: MSC (Miscellaneous)  
 (reporter gene; host cells transformed with fusion protein gene and method for **screening** test samples with receptor-ligand interactions or peptide-binding activities)

L61 ANSWER 14 OF 15 HCAPLUS COPYRIGHT 2002 ACS

AN 1994:46711 HCAPLUS

DN 120:46711

TI Cloning and expression of human **follicle-stimulating hormone (FSH)** receptor cDNA, and use of recombinant **FSH** receptor-producing cells for **screening** for agonists and antagonists

IN Dijkema, Rein; De Leeuw, Renato

PA AKZO N.V., Neth.

SO PCT Int. Appl., 42 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12N015-12

ICS C12N005-10; C12P021-08; C07K013-00; G01N033-53; G01N033-563

CC 2-4 (Mammalian Hormones)

Section cross-reference(s): 3, 9

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9320199	A1	19931014	WO 1993-EP780	19930329 <--
	W: AU, CA, FI, HU, JP, KR, NO, NZ, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9339498	A1	19931108	AU 1993-39498	19930329 <--
PRAI	EP 1992-200886		19920330 <--		
	WO 1993-EP780		19930329 <--		

AB The cDNA for human **FSH** receptor is cloned and sequenced. Recombinant cells expressing this cDNA may be used to **screen** for agonists and antagonists of this receptor. The human **FSH** receptor cDNA was expressed in CHO K1 cells. The binding affinity of this receptor for **FSH** was detd. and the ability of **FSH** to stimulate cAMP prodn. in these cells was demonstrated. Antibodies to the **FSH** receptor which prevented stimulation of cAMP prodn. by **FSH** were prepd. One set of antibodies prevented binding of **FSH**; another set, less effective at preventing **FSH** binding, interfered with 2nd messenger generation.

ST **FSH** receptor cDNA human sequence; antibody human **FSH** receptor; agonist antagonist **screening** human **FSH** receptor

IT **Gene, animal**

RL: BIOL (Biological study)

(cDNA, for **FSH** receptor of human, cloning and **expression** in CHO-K1 cells and Escherichia coli of)

IT Escherichia coli

(expression in, of human **FSH** receptor cDNA)

IT Protein sequences

(of **FSH** receptor of human)

IT Plasmid and Episome

(pKCRhFSH-R, human **FSH** receptor cDNA on, expression in CHO-K1 cells of)

IT Antibodies  
RL: BIOL (Biological study)  
(to human **FSH** receptor)

IT Animal cell line  
(CHO-K1, expression in, of human **FSH** receptor cDNA)

IT **Receptors**  
RL: BIOL (Biological study)  
(**FSH**, recombinant cells producing, **screening** for  
agonists and antagonists in relation to)

IT Deoxyribonucleic acid sequences  
(complementary, for **FSH** receptor of human)

IT Antibodies  
RL: BIOL (Biological study)  
(monoclonal, to human **FSH** receptor)

IT **145895-41-6, FSH** receptor (human clone pGEM3Zc1)  
RL: PRP (Properties)  
(amino acid sequence of)

IT **152207-68-6, DNA** (human clone pGEM3Zc1 **FSH** receptor cDNA  
and flanks)  
RL: PRP (Properties)  
(nucleotide sequence of, expression in CHO-K1 cells and Escherichia  
coli of)

IT **9002-68-0, FSH**  
RL: BIOL (Biological study)  
(receptors for, recombinant cells producing, **screening** for  
agonists and antagonists in relation to)

L61 ANSWER 15 OF 15 HCAPLUS COPYRIGHT 2002 ACS  
AN **1993:95113** HCAPLUS  
DN **118:95113**  
TI Human **FSH** receptor and DNA sequences encoding it  
IN Kelton, Christie Ann; Cheng, Shirley Vui Yen; Nugent, Noreen Patrice;  
Schweickhardt, Rene Lynn  
PA Applied Research Systems Ars Holding N.V., Neth.  
SO PCT Int. Appl., 47 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
IC ICM C12N015-12  
ICS C07K013-00; A61K037-02; A61K037-43; C07K015-00  
CC 2-4 (Mammalian Hormones)  
Section cross-reference(s): 1, 9  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9216620	A1	19921001	WO 1992-US122	19920102 <--
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, RO, RU, SD, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
CA 2106061	AA	19920916	CA 1992-2106061	19920102 <--
AU 9212514	A1	19921021	AU 1992-12514	19920102 <--
AU 671417	B2	19960829		
EP 575357	A1	19931229	EP 1992-904833	19920102 <--
EP 575357	B1	20020918		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
JP 06505157	T2	19940616	JP 1992-505302	19920102 <--
EP 1167385	A2	20020102	EP 2001-202809	19920102 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC				
AT 224446	E	20021015	AT 1992-904833	19920102 <--
NO 9303272	A	19930914	NO 1993-3272	19930914 <--
LV 10724	B	19951220	LV 1993-1136	19931011 <--
LT 3973	B	19960527	LT 1993-1631	19931220 <--

	US 5744448	A	19980428	US 1995-487886	19950607 <--
	US 6121016	A	20000919	US 1995-482855	19950607 <--
	US 6372711	B1	20020416	US 1995-474986	19950607 <--
PRAI	US 1991-670085	A2	19910315 <--		
	EP 1992-904833	A3	19920102 <--		
	WO 1992-US122	A	19920102 <--		

AB CDNA encoding a human receptor for **FSH** is cloned and expressed in animal cell culture. The cloned sequence is used for manuf. of the receptor or peptides derived from it for use as diagnostics or therapeutics (no data). The cDNA was prepd. by assembly of a series of overlapping clones identified by **screening** a human testis cDNA library in .lambda.gtl1 with the corresponding rat sequence. The full-length cDNA was introduced into the prior art mammalian expression vector CLH3AXSV2DHFRh.alpha.IVS and introduced into Y1 and CHO cells by the calcium phosphate method. CHO transformants showed an increase in intracellular cAMP upon exposure to **FSH** with a response about 16-fold greater than controls with the dose-response curve showing satn.

ST **FSH** receptor; human **FSH** receptor cDNA cloning

IT **Gene, animal**  
 RL: BIOL (Biological study)  
 (cDNA, for **FSH** receptor of human, cloning in Escherichia coli and **expression** in animal cell culture of)

IT Spermatogenesis  
 (inhibition of, peptides from **FSH** receptor for, cloning of receptor cDNA in relation to)

IT Deoxyribonucleic acid sequences  
 (of **FSH** receptor cDNA of human)

IT Protein sequences  
 (of **FSH** receptor of human)

IT Molecular cloning  
 (of cDNA for **FSH** receptor of human)

IT Plasmid and Episome  
 (pD.alpha.HFSHRX, cDNA for human **FSH** receptor on, expression in CHO and Y1 cells of)

IT Animal cell line  
 (CHO, expression in, of cDNA for human **FSH** receptor)

IT **Receptors**  
 RL: BIOL (Biological study)  
 (**FSH**, cDNA for, of human, cloning in Escherichia coli and expression in animal cell culture of)

IT Animal cell line  
 (Y1, expression in, of cDNA for human **FSH** receptor)

IT Testis, metabolism  
 (follicle, growth and development of, inhibition of, peptides from **FSH** receptor for, cloning of receptor cDNA in relation to)

IT **145895-41-6 145895-42-7**  
 RL: PRP (Properties)  
 (amino acid sequence of, complete, and cloning in Escherichia coli and expression in animal cell culture of cDNA for)

IT **9002-68-0, Follicle-stimulating hormone**  
 RL: BIOL (Biological study)  
 (modulation of activity of and assay for, peptides from receptor for, cloning of receptor cDNA in relation to)

IT **145895-39-2**  
 RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)  
 (nucleotide sequence and cloning in Escherichia coli of)

IT **145895-40-5**  
 RL: PRP (Properties)  
 (nucleotide sequence of, complete, and cloning in Escherichia coli and expression in animal cell culture of)

=> d all tot 162

L62 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2002 ACS

AN 2002:676195 HCAPLUS

DN 137:227713

TI Human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses

IN Tchernev, Velizar T.; Spytek, Kimberly A.; Zerhusen, Bryan D.; Patturajan, Meera; Shimkets, Richard A.; Li, Li; Gangolli, Esha A.; Padigar, Muralidhara; Anderson, David W.; Rastelli, Luca; Miller, Charles E.; Gerlach, Valerie L.; Taupier, Raymond J., Jr.; Gusev, Vladimir Y.; Colman, Steven D.; Wolenc, Adam R.; Pena, Carol E. A.; Furtak, Katarzyna; Grosse, William M.; Alsobrook, John P., II; Lepley, Denise M.; Rieger, Daniel K.; Burgess, Catherine E.

PA Curagen Corporation, USA

SO PCT Int. Appl., 1498 pp.

CODEN: PIXXD2

DT Patent

LA English

IC C12N015-12; C12N001-21; C07K014-47; C07K014-705; C07K016-18

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 1, 6, 9, 13

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002068649	A2	20020906	WO 2002-US2785	20020131
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2001-265395P	P	20010131		
	US 2001-265412P	P	20010131		
	US 2001-265514P	P	20010131		
	US 2001-265517P	P	20010131		
	US 2001-266406P	P	20010202		
	US 2001-266767P	P	20010205		
	US 2001-266975P	P	20010207		
	US 2001-267057P	P	20010207		
	US 2001-267459P	P	20010208		
	US 2001-267823P	P	20010209		
	US 2001-268974P	P	20010215		
	US 2001-271664P	P	20010226		
	US 2001-271839P	P	20010227		
	US 2001-271855P	P	20010227		
	US 2001-272788P	P	20010302		
	US 2001-273046P	P	20010302		
	US 2001-275925P	P	20010314		
	US 2001-275947P	P	20010314		
	US 2001-275950P	P	20010314		
	US 2001-275989P	P	20010314		

AB Disclosed herein are 162 cDNA sequences that encode novel human polypeptides that are members of the various protein families. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies, which immunospecifically-bind to the polypeptide, as well as derivs., variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic



- acids and proteins.
- ST protein NOVX cDNA sequence human
- IT Cadherins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (11, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (CRAL-TRIO, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (DNNT1-assocd. protein-1, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Antigens
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (GAGE-7, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (H326, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Receptors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (Kupffer cell, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (Lynx1, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (Myd-1, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses) (NOV1 to NOV99; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Purinoceptors
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (P2Y, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (SNC73, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (Ten-M2, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (Wnt-14, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study) (adlcan, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Antiarteriosclerotics
  - (antiatherosclerotics; human cDNA sequences and their encoded proteins

- and diagnostic and therapeutic uses)
- IT Nucleic acid hybridization  
(assay; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Heart, disease  
(cardiomyopathy, diagnosis and treatment of; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Genetic mapping  
(chromosomal; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(claudins, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(cleavage signal-1 protein-like, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Disease, animal  
(diagnosis and treatment of NOVX-assocd.; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Signal transduction, biological  
(diagnosis and treatment of disorders of; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Metabolic pathways  
(diagnosis and treatment of modulation disorders of; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Atherosclerosis  
Diabetes mellitus  
Neoplasm  
(diagnosis and treatment of; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Initiation factors (protein formation)  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(eIF-5A, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(gap junction-specific, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(gene c-mas, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Animal tissue  
(gene expression profiles in; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Transport proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(glucose-sodium-cotransporting, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Agrins  
Connexins  
Endoglins  
G protein-coupled receptors  
GTPase-activating protein  
Neuropeptide Y receptors  
Notch (receptor)  
Olfactory receptors  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

- IT Antidiabetic agents
- Antitumor agents
- Cardiovascular agents
- Drug screening
- Human
- Immunoassay
- Molecular cloning
- Protein motifs
- Protein sequences
- Tumor markers
- cDNA sequences
  - (human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Probes (nucleic acid)
  - RL: ARG (Analytical reagent use); DGN (Diagnostic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Antibodies
  - RL: ARG (Analytical reagent use); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Chromosome
  - (human, gene mapping on; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Antibodies
  - RL: ARG (Analytical reagent use); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (humanized; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Transport proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (hydrogen ion-sodium-exchanging, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (male-specific lethal 3, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Diagnosis
  - (mol.; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Transport proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (monocarboxylic acid-transporting, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Antibodies
  - RL: ARG (Analytical reagent use); DGN (Diagnostic use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
  - (monoclonal; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (parchorins, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (rvuolocans, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Proteins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (secreted leucine-rich repeat, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

- IT Genetic polymorphism  
(single nucleotide; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Transport proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(sugar-transporting, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Keratins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(sulfur-rich, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Susceptibility (genetic)  
(to NOVX-assocd. disorders; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT Interleukin 1  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.epsilon., homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT 162032-65-7, Heparan sulfate 6-sulfotransferase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(3, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT 37259-58-8, Serine proteinase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(DESC1, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)
- IT 457665-35-9P, Protein NOV1a (human clone CG56592-01) 457665-36-0P  
457665-38-2P 457665-41-7P, Protein NOV2 (human clone CG56596-01)  
457665-43-9P, Protein NOV3a (human clone CG56594-01) 457665-45-1P,  
Protein NOV3c (human clone CG57576-01) 457665-47-3P, Protein NOV4a  
(human clone CG56589-01) 457665-49-5P, Protein NOV4c (human clone  
CG56589-02) 457665-51-9P, Protein NOV5a (human clone CG56635-01)  
457665-53-1P, Protein NOV5b (human clone CG56635-02) 457665-55-3P,  
Protein NOV5c (human clone CG56635-03) 457665-57-5P, Protein NOV5d  
(human clone CG56635-04) 457665-59-7P, Protein NOV5e (human clone  
CG56635-05) 457665-61-1P 457665-63-3P 457665-65-5P, Protein NOV7b  
(human clone CG56613-02) 457665-67-7P, Protein NOV7c (human clone  
CG56613-03) 457665-69-9P, Protein NOV7d (human clone 174307820)  
457665-71-3P 457665-73-5P, Protein NOV9a (human clone CG56554-01)  
457665-76-8P 457665-78-0P, Protein NOV11 (human clone CG55966-01)  
457665-80-4P, Protein NOV12 (human clone CG56003-01) 457665-82-6P,  
Protein NOV13a (human clone CG56021-01) 457665-84-8P 457665-86-0P,  
Protein NOV14 (human clone CG56023-01) 457665-88-2P, Protein NOV15a  
(human clone CG56065-01) 457665-90-6P, Protein NOV15b (human clone  
CG56065-02) 457665-92-8P, Protein NOV16a (human clone CG56067-01)  
457665-94-0P 457665-96-2P, Protein NOV17a (human clone CG56657-01)  
457665-98-4P, Protein NOV17b (human clone CG56657-02) 457666-00-1P,  
Protein NOV17c (human clone CG56659-01) 457666-02-3P, Protein NOV17d  
(human clone CG56659-02) 457666-04-5P, Protein NOV18a (human clone  
CG56663-01) 457666-06-7P 457666-08-9P, Protein NOV19a (human clone  
CG56665-01) 457666-10-3P 457666-12-5P, Protein NOV20 (human clone  
CG56667-01) 457666-14-7P 457666-16-9P 457666-18-1P, Protein NOV22a  
(human clone CG56643-01) 457666-20-5P 457666-23-8P, Protein NOV23a  
(human clone CG56647-02) 457666-25-0P, Protein NOV23b (human clone  
CG56647-03) 457666-27-2P, Protein NOV23c (human clone CG56647-01)  
457666-29-4P, Protein NOV24a (human clone CG56155-01) 457666-31-8P,  
Protein NOV24b (human clone CG56155-02) 457666-33-0P, Protein NOV25  
(human clone CG56457-01) 457666-35-2P, Protein NOV26a (human clone  
CG56461-01) 457666-38-5P 457666-40-9P 457666-42-1P 457666-44-3P  
457666-46-5P, Protein NOV29a (human clone CG56187-01) 457666-48-7P,  
Protein NOV29b (human clone CG56187-03) 457666-50-1P, Protein NOV29c  
(human clone CG56189-01) 457666-52-3P 457666-54-5P 457666-56-7P  
457666-58-9P 457666-60-3P 457666-62-5P 457666-64-7P 457666-66-9P

457666-68-1P, Protein NOV37 (human clone CG56733-01) 457666-70-5P  
 457666-72-7P, Protein NOV39a (human clone CG56737-02) 457666-74-9P  
 457666-76-1P, Protein NOV40 (human clone CG56097-01) 457666-78-3P  
 457666-80-7P, Protein NOV41b (human clone CG56680-02) 457666-82-9P  
 457666-84-1P 457666-86-3P 457666-88-5P 457666-90-9P 457666-92-1P  
 457666-94-3P, Protein NOV45 (human clone CG56694-01) 457666-96-5P  
 457666-98-7P 457667-00-4P 457667-02-6P 457667-04-8P, Protein NOV47  
 (human clone CG56700-01) 457667-06-0P, Protein NOV48a (human clone  
 CG56743-01) 457667-08-2P, Protein NOV48b (human clone CG56743-02)  
 457667-10-6P 457667-12-8P, Protein NOV50a (human clone CG56771-01)  
 457667-14-0P, Protein NOV50b (human clone CG56771-02) 457667-16-2P  
 457667-18-4P, Protein NOV52 (human clone CG56731-01) 457667-20-8P,  
 Protein NOV53 (human clone CG56745-01) 457667-22-0P, Protein NOV54a  
 (human clone CG56773-01) 457667-24-2P, Protein NOV54b (human clone  
 CG56773-02) 457667-26-4P 457667-28-6P, Protein NOV56a (human clone  
 CG56816-01) 457667-30-0P, Protein NOV56b (human clone CG56816-02)  
 457667-32-2P, Protein NOV57 (human clone CG56829-01) 457667-34-4P  
 457667-36-6P 457667-38-8P, Protein NOV59 (human clone CG56633-01)  
 457667-40-2P, Protein NOV60a (human clone CG56894-01) 457667-42-4P,  
 Protein NOV60b (human clone CG56894-02) 457667-44-6P 457667-45-7P  
 457667-47-9P 457667-48-0P, Protein NOV64 (human clone CG56884-01)  
 457667-50-4P, Protein NOV65a (human clone CG56651-01) 457667-52-6P,  
 Protein NOV65b (human clone CG56651-02) 457667-54-8P, Protein NOV66  
 (human clone CG56313-01) 457667-56-0P 457667-58-2P 457667-60-6P,  
 Protein NOV69a (human clone CG56950-01) 457667-62-8P, Protein NOV69b  
 (human clone CG56136-02) 457667-64-0P 457667-66-2P 457667-68-4P  
 457667-70-8P, Protein NOV72 (human clone CG56910-01) 457667-72-0P,  
 Protein NOV73 (human clone CG56822-01) 457667-74-2P, Protein NOV74  
 (human clone CG56775-01) 457667-76-4P, Protein NOV75 (human clone  
 CG56783-01) 457667-78-6P, Protein NOV76a (human clone CG56789-01)  
 457667-80-0P, Protein NOV76b (human clone CG56789-02) 457667-82-2P,  
 Protein NOV77 (human clone CG56804-01) 457667-84-4P, Protein NOV78  
 (human clone CG56810-01) 457667-86-6P 457667-88-8P, Protein NOV80  
 (human clone CG56882-01) 457667-90-2P 457667-92-4P, Protein NOV81b  
 (human clone CG56283-02) 457667-94-6P 457667-96-8P, Protein NOV83  
 (human clone CG56890-01) 457667-98-0P, Protein NOV84 (human clone  
 CG56912-01) 457668-00-7P, Protein NOV85 (human clone CG56955-01)  
 457668-02-9P, Protein NOV86 (human clone CG56957-01) 457668-04-1P,  
 Protein NOV87a (human clone CG56886-01) 457668-06-3P, Protein NOV88  
 (human clone CG56394-01) 457668-08-5P, Protein NOV89 (human clone  
 CG56396-01) 457668-10-9P, Protein NOV90 (human clone CG56888-01)  
 457668-12-1P, Protein NOV91 (human clone CG56779-01) 457668-14-3P  
 457668-16-5P, Protein NOV93 (human clone CG56277-01) 457668-18-7P,  
 Protein NOV94 (human clone CG56281-01) 457668-20-1P, Protein NOV95  
 (human clone CG56975-01) 457668-22-3P 457668-25-6P, Protein NOV96c  
 (human clone CG56918-03) 457668-27-8P 457668-29-0P 457668-31-4P  
 457668-33-6P 457668-35-8P 457668-37-0P 457668-39-2P, Protein NOV98  
 (human clone CG56939-01) 457668-41-6P, Protein NOV99 (human clone  
 CG57010-01) 457668-43-8P, Protein NOV7e (human clone 167474749)

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study,  
 unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic  
 use); ANST (Analytical study); BIOL (Biological study); PREP  
 (Preparation); USES (Uses)

(amino acid sequence; human cDNA sequences and their encoded proteins  
 and diagnostic and therapeutic uses)

IT 9024-90-2, Nitrilase 9028-93-7, IMP dehydrogenase 9030-24-4, Uracil  
 phosphoribosyltransferase 9032-67-1, Dipeptidylpeptidase 9033-07-2,  
 UDP glycosyltransferase 9055-07-6, Protein arginine methyltransferase  
 9075-05-4, Glycerol 3-phosphate dehydrogenase 11075-17-5,  
 Carboxypeptidase A1 68652-57-3, Cysteine conjugate .beta.-lyase  
 78783-52-5, .beta.1,3-Galactosyltransferase 90119-11-2, Leukotriene B4  
 .omega.-hydroxylase 95076-93-0, Peptidyl-prolyl cis-trans isomerase  
 106388-42-5, Peptide YY 109136-49-4, Ubiquitin-specific proteinase

144378-41-6, N-Hydroxyarylamine sulfotransferase 149885-84-7, Dual specificity protein phosphatase 171715-15-4, Neuropsin 184111-06-6, D-Dopachrome tautomerase 192140-83-3, Protein kinase PAK2 241475-96-7, Matriptase 284039-30-1, Testis-specific serine kinase 3 360564-18-7, Adrenal secretory serine protease 362690-38-8, Protein phosphatase 2C 375798-61-1, Protein phosphatase 400655-20-1, Protein kinase GRK7  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT 163744-95-4, GenBank T67857 221433-05-2, GenBank AC005961 225544-83-2, GenBank AC007278 225597-40-0, GenBank AC007395 244078-99-7, GenBank AC011522 244079-29-6, GenBank AC011492 245723-76-6, GenBank AC012510 246266-56-8, GenBank AL132780 251269-32-6, GenBank AW242630 252213-60-8, GenBank AC019100 253108-34-8, GenBank AL136383 253416-14-7, GenBank AC021773 255353-89-0, GenBank AL138816 256207-93-9, GenBank AC023078 256209-11-7, GenBank AC023194 258796-00-8, GenBank AL158192 261996-31-0, GenBank AC046164 263691-17-4, GenBank AC068256 263835-18-3, GenBank AC068471 278166-57-7, GenBank AC023654 287334-65-0, GenBank AV655524 291743-44-7, GenBank AC080137 385615-72-5, GenBank AI308124 392056-11-0, GenBank AC004832 392092-13-6, GenBank AF152363  
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT 457665-34-8P	457665-37-1P	457665-39-3P	457665-40-6P	457665-42-8P
457665-44-0P	457665-46-2P	457665-48-4P	457665-50-8P	457665-52-0P
457665-54-2P	457665-56-4P	457665-58-6P	457665-60-0P	457665-62-2P
457665-64-4P	457665-66-6P	457665-68-8P	457665-70-2P	457665-72-4P
457665-74-6P	457665-75-7P	457665-77-9P	457665-79-1P	457665-81-5P
457665-83-7P	457665-85-9P	457665-87-1P	457665-89-3P	457665-91-7P
457665-93-9P	457665-95-1P	457665-97-3P	457665-99-5P	457666-01-2P
457666-03-4P	457666-05-6P	457666-07-8P	457666-09-0P	457666-11-4P
457666-13-6P	457666-15-8P	457666-17-0P	457666-19-2P	457666-21-6P
457666-22-7P	457666-24-9P	457666-26-1P	457666-28-3P	457666-30-7P
457666-32-9P	457666-34-1P	457666-36-3P	457666-37-4P	457666-39-6P
457666-41-0P	457666-43-2P	457666-45-4P	457666-47-6P	457666-49-8P
457666-51-2P	457666-53-4P	457666-55-6P	457666-57-8P	457666-59-0P
457666-61-4P	457666-63-6P	457666-65-8P	457666-67-0P	457666-69-2P
457666-71-6P	457666-73-8P	457666-75-0P	457666-77-2P	457666-79-4P
457666-81-8P	457666-83-0P	457666-85-2P	457666-87-4P	457666-89-6P
457666-91-0P	457666-93-2P	457666-95-4P	457666-97-6P	457666-99-8P
457667-01-5P	457667-03-7P	457667-05-9P	457667-07-1P	457667-09-3P
457667-11-7P	457667-13-9P	457667-15-1P	457667-17-3P	457667-19-5P
457667-21-9P	457667-23-1P	457667-25-3P	457667-27-5P	457667-29-7P
457667-31-1P	457667-33-3P	457667-35-5P	457667-37-7P	457667-39-9P
457667-41-3P	457667-43-5P	457667-46-8P	457667-49-1P	457667-51-5P
457667-53-7P	457667-55-9P	457667-57-1P	457667-59-3P	457667-61-7P
457667-63-9P	457667-65-1P	457667-67-3P	457667-69-5P	457667-71-9P
457667-73-1P	457667-75-3P	457667-77-5P	457667-79-7P	457667-81-1P
457667-83-3P	457667-85-5P	457667-87-7P	457667-89-9P	457667-91-3P
457667-93-5P	457667-95-7P	457667-97-9P	457667-99-1P	457668-01-8P
457668-03-0P	457668-05-2P	457668-07-4P	457668-09-6P	457668-11-0P
457668-13-2P	457668-15-4P	457668-17-6P	457668-19-8P	457668-21-2P
457668-23-4P	457668-24-5P	457668-26-7P	457668-28-9P	457668-30-3P
457668-32-5P	457668-34-7P	457668-36-9P	457668-38-1P	457668-40-5P
457668-42-7P				

RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (nucleotide sequence; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT	457676-32-3	457676-33-4	457676-34-5	457676-35-6	457676-36-7
	457676-37-8	457676-38-9	457676-39-0	457676-40-3	457676-41-4
	457676-42-5	457676-43-6	457676-44-7	457676-45-8	457676-46-9
	457676-47-0	457676-48-1	457676-49-2	457676-50-5	457676-51-6
	457676-52-7	457676-53-8	457676-54-9	457676-55-0	457676-56-1
	457676-57-2	457676-58-3	457676-59-4	457676-60-7	457676-61-8
	457676-62-9	457676-63-0	457676-64-1	457676-65-2	457676-66-3
	457676-67-4	457676-68-5	457676-69-6	457676-70-9	457676-71-0
	457676-72-1	457676-73-2	457676-74-3	457676-75-4	457676-76-5
	457676-77-6	457676-78-7	457676-79-8	457676-80-1	457676-81-2
	457676-82-3	457676-83-4	457676-84-5	457676-85-6	457676-86-7
	457676-87-8	457676-88-9	457676-89-0	457676-90-3	457676-91-4
	457676-92-5	457676-93-6	457676-94-7	457676-95-8	457676-96-9
	457676-97-0	457676-98-1	457676-99-2	457677-00-8	457677-01-9
	457677-02-0	457677-03-1	457677-04-2	457677-05-3	457677-06-4
	457677-08-6	457677-09-7	457677-10-0	457677-11-1	457677-12-2
	457677-13-3	457677-14-4	457677-15-5	457677-16-6	457677-17-7
	457677-18-8	457677-19-9	457677-20-2	457677-21-3	457677-22-4
	457677-23-5	457677-24-6	457677-25-7	457677-26-8	457677-27-9
	457677-28-0	457677-29-1	457677-30-4	457677-31-5	457677-32-6
	457677-33-7	457677-34-8	457677-35-9	457677-36-0	457677-37-1
	457677-38-2	457677-39-3	457677-40-6	457677-41-7	457677-42-8
	457677-43-9	457677-44-0	457677-45-1	457677-46-2	457677-47-3
	457677-48-4	457677-49-5	457677-50-8	457677-51-9	457677-52-0
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	457677-63-3	457677-64-4	457677-65-5	457677-66-6	457677-67-7
	457677-68-8	457677-69-9	457677-70-2	457677-71-3	457677-72-4
	457677-73-5	457677-74-6	457677-75-7	457677-76-8	457677-77-9
	457677-78-0	457677-79-1	457677-80-4	457677-81-5	457677-82-6
	457677-83-7	457677-84-8	457677-85-9	457677-86-0	457677-87-1
	457677-88-2	457677-89-3	457677-90-6	457677-91-7	457677-92-8
	457677-93-9	457677-94-0	457677-95-1	457677-96-2	457677-97-3
	457677-98-4	457677-99-5	457678-00-1	457678-01-2	457678-02-3
	457678-03-4	457678-04-5	457678-05-6	457678-06-7	457678-07-8
	457678-08-9	457678-09-0	457678-10-3	457678-11-4	457678-12-5
	457678-13-6	457678-14-7	457678-15-8	457678-16-9	457678-17-0
	457678-18-1	457678-19-2	457678-20-5	457678-21-6	457678-22-7
	457678-23-8	457678-24-9	457678-25-0	457678-26-1	457678-27-2
	457678-28-3	457678-29-4	457678-30-7	457678-31-8	457678-32-9
	457678-33-0	457678-34-1	457678-35-2	457678-36-3	457678-37-4
	457678-38-5	457678-39-6	457678-40-9	457678-41-0	457678-42-1
	457678-43-2	457678-44-3	457678-45-4	457678-46-5	457678-47-6
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	457678-58-9	457678-59-0	457678-60-3	457678-61-4	457678-62-5
	457678-63-6	457678-64-7	457678-65-8	457678-66-9	457678-67-0
	457678-68-1	457678-69-2	457678-70-5	457678-71-6	457678-72-7

RL: PRP (Properties)

(unclaimed nucleotide sequence; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT	457678-73-8	457678-74-9	457678-75-0	457678-76-1	457678-77-2
	457678-78-3	457678-79-4	457678-80-7	457678-81-8	457678-82-9
	457678-83-0	457678-84-1	457678-85-2	457678-86-3	457678-87-4
	457678-88-5	457678-89-6	457678-90-9	457678-91-0	457678-92-1
	457678-93-2	457678-94-3	457678-95-4	457678-96-5	457678-97-6
	457678-98-7	457678-99-8	457679-00-4	457679-01-5	457679-02-6
	457679-03-7	457679-04-8	457679-05-9	457679-06-0	457679-07-1
	457679-08-2	457679-97-9	457679-98-0	457680-00-1	457680-01-2
	457680-02-3	457680-03-4	457680-04-5	457680-05-6	457680-07-8
	457680-08-9	457680-09-0	457680-10-3	457680-11-4	457680-12-5
	457680-14-7	457680-15-8	457680-16-9	457680-17-0	457680-18-1
	457680-19-2	457680-21-6	457680-22-7	457680-23-8	457680-24-9



457680-25-0	457680-27-2	457680-28-3	457680-29-4	457680-30-7
457680-31-8	457680-43-2	457680-44-3	457680-45-4	457680-46-5
457680-47-6	457680-48-7	457680-49-8	457680-50-1	457680-51-2
457680-52-3	457680-53-4	457680-54-5	457680-55-6	457680-56-7
457680-57-8	457680-58-9	457680-59-0	457680-60-3	457680-61-4
457680-62-5	457680-63-6	457680-64-7	457680-65-8	457680-66-9
457680-67-0	457680-68-1	457680-69-2	457680-70-5	457680-71-6
457680-72-7	457680-73-8	457680-74-9	457680-75-0	457680-76-1
457680-77-2	457680-78-3	457680-79-4	457680-80-7	457680-81-8
457680-82-9	457680-83-0	457680-84-1	457680-85-2	457680-86-3
457680-87-4	457680-88-5	457680-89-6	457680-90-9	457680-91-0
457680-92-1	457680-93-2	457680-94-3	457680-95-4	457680-96-5
457680-97-6	457680-98-7	457680-99-8	457681-00-4	457681-01-5
457681-02-6	457681-03-7	457681-04-8	457681-05-9	457681-06-0
457681-07-1	457681-08-2	457681-09-3	457681-10-6	457681-11-7
457681-12-8	457681-13-9	457681-14-0	457681-15-1	457681-16-2
457681-17-3	457681-18-4	457681-19-5	457681-20-8	457681-21-9
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457681-32-2	457681-33-3	457681-34-4	457681-35-5	457681-36-6
457681-37-7	457681-38-8	457681-39-9	457681-40-2	457681-41-3
457681-42-4	457681-43-5	457681-44-6	457681-45-7	457681-46-8
457681-47-9	457681-48-0	457725-03-0	457726-20-4	457726-21-5
457726-22-6	457726-23-7	457726-24-8	457726-25-9	457726-26-0
457726-27-1	457726-28-2	457726-29-3	457726-30-6	457726-31-7
457726-32-8	457726-33-9	457726-34-0	457726-35-1	457726-36-2
457726-37-3	457726-38-4			

RL: PRP (Properties)

(unclaimed nucleotide sequence; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT	457675-79-5	457675-80-8	457675-81-9	457675-82-0	457675-83-1
	457675-84-2	457675-85-3	457675-86-4	457675-87-5	457675-88-6
	457675-89-7	457675-90-0	457675-91-1	457675-92-2	457675-93-3
	457675-94-4	457675-95-5	457675-96-6	457675-97-7	457675-98-8
	457675-99-9	457676-00-5	457676-01-6	457676-02-7	457676-03-8
	457676-04-9	457676-05-0	457676-06-1	457676-07-2	457676-08-3
	457676-09-4	457676-10-7	457676-11-8	457676-12-9	457676-13-0
	457676-14-1	457676-15-2	457676-16-3	457676-17-4	457676-18-5
	457676-19-6	457676-20-9	457676-21-0	457676-22-1	457676-23-2
	457676-24-3	457676-25-4	457676-26-5	457676-27-6	457676-28-7
	457676-29-8	457676-30-1	457676-31-2	457677-07-5	

RL: PRP (Properties)

(unclaimed sequence; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT 114949-22-3, Activin

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.beta. C chain, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT 57285-09-3, Inhibin

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.beta. E chain, homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

IT 63551-76-8

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(.delta., .delta., .delta., homologs; human cDNA sequences and their encoded proteins and diagnostic and therapeutic uses)

L62 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2002 ACS

AN 2002:72748 HCAPLUS

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TI Human stress genes identified using DNA microarrays

IN Chenchik, Alex; Lukashev, Matvey E.

PA Clontech, USA



SO U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S. Ser. No. 441,920.  
CODEN: USXXCO

DT Patent

LA English

IC ICM C12Q001-68

ICS C07H021-04

NCL 435006000

CC 3-1 (Biochemical Genetics)

Section cross-reference(s): 14

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002009730	A1	20020124	US 2001-782909	20010213 <--
PRAI	US 1998-222256	B2	19981228 <--		
	US 1999-440305	B2	19991117 <--		
	US 1999-441920	A2	19991117 <--		

AB Human stress arrays and methods for their use are provided. The subject arrays include a plurality of polynucleotide spots, each of which is made up of a polynucleotide probe compn. of unique polynucleotides corresponding to a human stress gene. The av. length of the polynucleotide probes is between 50 to 1000 nucleotides. The d. of the spots on the array did not exceed 400/cm2 and the spots had a diam. ranging between 10 to 5000 .mu.m. Furthermore, the no. of polynucleotide probe spots on the array ranged between 50 to 2000 nucleotides. The subject arrays find use in hybridization assays, particularly in assays for the identification of differential gene expression of human stress genes. 236 Different human stress genes were identified using this approach.

ST human stress gene array test kit

IT Test kits

(for detection of human stress genes, DNA microarrays as; human stress genes identified using DNA microarrays)

IT DNA microarray technology

Human

Nucleic acid hybridization

(human stress genes identified using DNA microarrays)

IT Stress, animal

(identification of genes regulated by; human stress genes identified using DNA microarrays)

IT Glass, uses

Polyamides, uses

RL: DEV (Device component use); USES (Uses)

(microarray contg.; human stress genes identified using DNA microarrays)

IT Gene, animal

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); BIOL (Biological study); USES (Uses)

(stress, of human; human stress genes identified using DNA microarrays)

IT 184092-09-9 271800-13-6 391960-98-8, Protein (human gene p53associated) 391960-99-9, Protein (human gene TP53) 391961-00-5, Protein (human gene TP53) 391961-01-6 391961-02-7 391961-03-8 391961-04-9, Heat shock factor 1 (human gene TCF5) 391961-05-0, HsRad51 (human gene HsRAD51) 391961-06-1 391961-07-2, MAP kinase kinase (human) 391961-08-3 391961-09-4 391961-10-7, Excision repair protein (human) 391961-11-8 391961-12-9, Rad (human) 391961-13-0, Protein (human 732-amino acid) 391961-14-1, Protein (human 295-amino acid) 391961-15-2, Protein (human gene ERCC3) 391961-16-3, Protein (human 609-amino acid) 391961-17-4, Protein (human 327-amino acid) 391961-18-5, Protein (human 341-amino acid) 391961-19-6 391961-20-9 391961-21-0, Protein (human 152-amino acid) 391961-22-1 391961-23-2 391961-24-3 391961-25-4 391961-26-5, Pur (human gene pur-alpha) 391961-27-6, Protein (human gene TOP1) 391961-28-7, Protein (human gene TOP2A) 391961-29-8, Protein (human gene MGMT) 391961-30-1

391961-31-2 391961-32-3 391961-33-4, Protein (human gene hmlh1)  
 391961-34-5, HHR23A protein (human gene HHR23A) 391961-35-6, HSP40  
 (human gene hsp40) 391961-36-7, Protein kinase (human) 391961-37-8,  
 MAP kinase (human) 391961-38-9 391961-39-0, Protein (human 573-amino  
 acid) 391961-40-3 391961-41-4 391961-42-5, TLS-CHOP (human gene  
 TLS/CHOP) 391961-43-6, Gadd153 (human gene GADD153) 391961-44-7,  
 DNA-PK (human) 391961-45-8 391961-46-9, BRCA2 (human gene BRCA2)  
 391961-47-0, Protein (human 312-amino acid) 391961-48-1 391961-49-2  
 391961-50-5, Protein (human gene VIM) 391961-51-6 391961-52-7  
 391961-53-8 391961-54-9 391961-55-0, MAP kinase (human clone 3F12 )  
 391961-56-1, Heat shock protein (human gene HSPA1L) 391961-57-2, RAD52  
 (human cell line Jurkat ) 391961-58-3, Protein (human gene ATM)  
 391961-59-4, MAP kinase kinase 6 (human gene MKK6) 391961-60-7, Rad50  
 (human gene Rad50) 391961-61-8 391961-62-9 391961-63-0  
 391961-64-1, DNase I (human clone 14C6 gene DNL1L) 391961-65-2, Protein  
 (human gene CDC42) 391961-66-3 391961-67-4 391961-68-5, ERK5 (human  
 clone 3-1 ) 391961-69-6, P38Beta MAP kinase (human) 391961-70-9  
 391961-71-0 391961-72-1 391961-73-2, Protein (human 261-amino acid)  
 391961-74-3, MEK kinase 3 (human) 391961-75-4 391961-76-5, Protein  
 (human 380-amino acid) 391961-77-6, MEK5 (human clone 3-2 )  
 391961-78-7 391961-79-8, Protein (human gene hMSH2) 391961-80-1, HMSH6  
 protein (human gene MSH6) 391961-81-2 391961-82-3 391961-83-4  
 391961-84-5 391961-85-6 391961-86-7 391961-87-8, Protein (human  
 653-amino acid) 391961-88-9, Protein (human gene hPMS1) 391961-89-0,  
 Protein (human gene hPMS2) 391961-90-3 391961-91-4, MutY (human gene  
 hMYH) 391961-92-5, Beta A4 crystallin (human gene CRYBA4) 391961-93-6  
 391961-94-7, Beta B1-crystallin (human) 391961-95-8, Crystallin beta-B2  
 (human gene CRYB2B) 391961-96-9, BetaB3 crystallin (human)  
 391961-97-0, GC kinase (human) 391961-98-1, Protein (human gene CYP2A)  
 391961-99-2, Protein (human 494-amino acid) 391962-00-8, Protein (human  
 clone 1 489-amino acid) 391962-01-9, Protein (human gene CYP2A)  
 391962-02-0, Protein (human gene CYP2C) 391962-03-1, Protein (human gene  
 CYP2C) 391962-04-2, Protein (human 370-amino acid) 391962-05-3,  
 Cytochrome P450 (human) 391962-06-4, Cytochrome (human gene CYP2C19)  
 391962-07-5, Protein (human 551-amino acid) 391962-08-6 391962-09-7  
 391962-10-0, Human P5 (human) 391962-11-1, Protein (human 724-amino  
 acid) 391962-12-2 391962-13-3, Protein (human gene HSPA1L)  
 391962-14-4 391962-15-5, Heat shock protein (human gene HSPA2)  
 391962-16-6, Protein (human 493-amino acid) 391962-17-7, Protein (human  
 gene CYP2F1) 391962-18-8 391962-19-9, Protein (human gene CYP1A1)  
 391962-20-2 391962-21-3 391962-22-4, Carboxylesterase (human)  
 391962-23-5, Paraoxonase 2 (human gene PON2) 391962-24-6, Steroid  
 21-hydroxylase (human) 391962-25-7, Protein (human gene CYP11A)  
 391962-26-8, Protein (human gene CYP2D) 391962-27-9 391962-28-0  
 391962-29-1 391962-30-4, Serum paraoxonase (human gene PON)  
 391962-31-5 391962-32-6, Monoamine oxidase A (human gene MAOA)  
 391962-35-9, Monoamine oxidase B (human gene MAOB) 391962-36-0, TB3-1  
 (human) 391962-37-1 391962-38-2 391962-39-3, UDP-  
 glucuronosyltransferase (human) 391962-40-6 391962-41-7, HsLim15  
 (human gene HsLIM15) 391962-42-8, Acyl-CoA dehydrogenase (human)  
 391962-43-9, Protein (human 290-amino acid) 391962-44-0 391962-48-4,  
 Protein (human 503-amino acid) 391962-49-5, Cytochrome P450 (human gene  
 CYP4A11) 391962-50-8, Bleomycin hydrolase (human clone 1-1 )  
 391962-51-9, NADH-cytochrome-b5 reductase (human) 391962-52-0  
 391962-53-1 391962-54-2, GammaC-crystallin (human gene CRYGC)  
 391962-55-3, Protein (human gene CRYG2) 391962-56-4 391962-57-5,  
 Protein (human 511-amino acid) 391962-58-6, Protein (human gene SOD3)  
 391962-59-7 391962-60-0 391962-61-1 391962-62-2, Protein (human  
 270-amino acid) 391962-63-3, Mu-crystallin (human) 391962-64-4  
 391962-65-5 391962-66-6, Calnexin (human) 391962-67-7, Calnexin  
 (human) 391962-68-8 391962-69-9, Cyclophilin-40 (human) 391962-70-2  
 391962-71-3, Zeta-crystallin (human) 391962-72-4 391962-73-5  
 391962-74-6, Protein (human gene p23) 391962-75-7, Endonuclease (human)

391962-76-8 391962-77-9, Protein (human gene PPOL) 391962-78-0,  
Protein (human gene RAG1) 391962-79-1, Protein (human 108-amino acid)  
391962-80-4, Protein (human gene LIG1) 391962-81-5 391962-82-6, XPAC  
protein (human gene XPAC) 391962-88-2 391962-89-3 391962-90-6  
391962-91-7 391962-92-8 391962-93-9 391962-94-0, Protein (human  
95-amino acid) 391962-95-1, AlphaA-crystallin (human gene CRYA1)  
391962-96-2 391962-97-3 391962-98-4 391962-99-5 391963-00-1  
391963-01-2, PLC alfa (human) 391963-02-3 391963-03-4 391963-04-5,  
P58 (human) 391963-05-6 391963-06-7 391963-07-8, Aryl  
sulfotransferase (human) 391963-08-9, Dihydropyrimidine dehydrogenase  
(human) 391963-09-0, Helicase II (human gene RAD54L) 391963-10-3  
391963-11-4 391963-12-5, CSA protein (human clone pCSA5 gene CSA)  
391963-13-6 391963-14-7 391963-15-8, 8-Oxo-dGTPase (human cell line  
Jurkat ) 391963-16-9, XRCC4 (human) 391963-17-0 391963-18-1  
391963-19-2 391963-20-5, FAP48 (human cell line Jurkat ) 391963-21-6  
391963-22-7 391963-23-8, Protein (human 527-amino acid) 391963-24-9,  
Protein (human 361-amino acid) 391963-28-3 391963-29-4 391963-30-7  
391963-31-8 391963-32-9 391963-33-0, Protein (human 304-amino acid)  
391963-34-1, Protein (human 377-amino acid) 391963-35-2 391963-36-3  
391963-37-4, Protein (human 556-amino acid) 391963-38-5 391963-39-6,  
Protein (human cell line C32 gene HAP1) 391963-40-9, AP endonuclease 1  
(human gene HAP1) 391963-41-0, Heme oxygenase-2 (human) 391963-42-1  
391963-43-2, Colligin (human) 391963-44-3, Collagen binding protein 2  
(human) 391963-45-4 391963-46-5

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; human stress genes identified using DNA  
microarrays)

IT 391963-47-6, Protein (human gene RAD54) 391963-48-7 391963-49-8,  
Protein (human gene XRCC2) 391963-50-1 391963-51-2, Protein (human  
515-amino acid) 391963-52-3 391963-53-4 391963-54-5 391963-55-6,  
Protein (human 1279-amino acid) 391963-56-7 391963-57-8, Protein  
(human 152-amino acid) 391963-58-9, Immunophilin (human) 391963-59-0,  
Heat shock protein hsp40 (human) 391963-60-3, FKBP54 (human)  
391963-61-4 391963-62-5, KHS1 (human) 391963-63-6, Protein (human gene  
IL7R) 391963-64-7, Protein (human 439-amino acid) 391963-65-8,  
Interleukin 2 receptor (human) 391963-66-9, Protein (human gene IGF2)  
391963-67-0 391963-68-1 391963-69-2, Protein (human 391-amino acid)  
391963-70-5, Protein (human gene MYB) 391963-71-6 391963-72-7  
391963-73-8 391963-74-9 391963-75-0 391963-76-1 391963-77-2,  
Protein (human gene IFNGR1) 391963-78-3 391963-79-4, Adenosine  
receptor A3 (human) 391963-80-7, Thrombin receptor (human) 391963-81-8  
391963-82-9, GATA-binding protein (human gene GATA-2) 391963-83-0  
391963-84-1 391963-85-2, Protein (human 448-amino acid) 391963-86-3  
391963-87-4 391963-88-5 391963-89-6, DNA-binding protein (human gene  
SMBP2) 391963-90-9, Transcription activator (human) 391963-91-0,  
DNA-binding protein (human) 391963-92-1, CACCC box-binding protein  
(human) 391963-93-2 391963-94-3 391963-95-4, Prostaglandin E2  
receptor (human) 391963-96-5 391963-97-6, AES-1 (human) 391963-98-7  
391963-99-8, SRE-binding protein (human gene CNBP) 391964-00-4, Protein  
(human 423-amino acid) 391964-01-5, COUP-TF (human) 391964-02-6,  
Protein (human 678-amino acid) 391964-03-7, DNA-binding protein (human  
gene APRF) 391964-04-8, HSNF2b (human) 391964-05-9 391964-06-0, DP2  
(human clone 3kd11 gene Humdp2) 391964-07-1 391964-08-2 391964-09-3  
391964-10-6, Protein (human gene JUN) 391964-11-7, Protein (human gene  
IL1R) 391964-12-8, Protein (human gene CSF1) 391964-13-9 391964-14-0  
391964-15-1 391964-16-2, Protein (human gene LAG2) 391964-17-3,  
Neuroleukin (human) 391964-18-4 391964-19-5, Interleukin 13 (human)  
391964-20-8, Thrombopoietin (human) 391964-21-9, Protein (human  
640-amino acid) 391964-22-0 391964-23-1 391964-24-2, Protein (human  
gene BMP1) 391964-25-3, Protein (human gene BMP2) 391964-26-4, Protein  
(human 92-amino acid) 391964-27-5 391964-28-6, Protein (human gene  
IGFBP1) 391964-29-7 391964-30-0, Protein (human gene IGFBP1)

391964-31-1, Protein (human gene RNH) 391964-32-2 391964-33-3  
391964-34-4, Pleiotrophin (human) 391964-35-5, Interleukin 11 (human  
gene IL11) 391964-36-6, Stem cell factor (human gene SCF) 391964-37-7  
391964-38-8 391964-39-9, Connective tissue growth factor (human)  
391964-40-2, Protein (human gene RYK) 391964-41-3 391964-42-4  
391964-43-5 391964-44-6, Protein (human 93-amino acid) 391964-45-7  
391964-46-8 391964-47-9, Placenta growth factor (PlGF) (human)  
391964-48-0, CDw40 (human cell line Raji ) 391964-49-1 391964-50-4,  
Protein (human 527-amino acid) 391964-51-5 391964-52-6, E4TF1-47  
(human strain HeLa S3 ) 391964-53-7, Alpha(E)-catenin (human)  
391964-54-8, Id-1H (human cell line TIG-3 gene Id-1H) 391964-55-9,  
Protein (human 180-amino acid) 391964-56-0, Protein (human gene MXI1)  
391964-57-1 391964-58-2, Focal adhesion kinase (human gene FAK)  
391964-59-3 391964-60-6, TR3 orphan receptor (human) 391964-61-7,  
RORalpha (human clone lambda hR5 ) 391964-62-8 391964-63-9  
391964-64-0 391964-65-1 391964-66-2 391964-67-3 391964-68-4,  
Nuclear factor I-X (human) 391964-69-5, Protein kinase (human gene  
MLK-3) 391964-70-8 391964-71-9 391964-72-0, Protein (human gene  
GNAZ) 391964-73-1, Protein (human 153-amino acid) 391964-74-2, Protein  
(human 217-amino acid) 391964-75-3, Protein (human gene FGF4)  
391964-76-4, Protein (human 467-amino acid) 391964-77-5, Protein (human  
431-amino acid) 391964-78-6, Protein (human gene PTMA) 391964-79-7,  
GTP-binding protein (human gene RAB2) 391964-80-0, Protein (human  
214-amino acid) 391964-81-1, Protein (human gene TCF3) 391964-82-2  
391964-83-3 391964-84-4 391964-85-5 391964-86-6 391964-87-7,  
Protein (human 432-amino acid) 391964-88-8 391964-89-9 391964-90-2  
391964-91-3 391964-92-4 391964-93-5 391964-94-6 391964-95-7,  
Protein (human cell line HEL gene FLI-1) 391964-96-8, FLI-1 (human cell  
line HEL gene FLI-1) 391964-97-9 391964-98-0, Protein (human  
gene SATB1) 391964-99-1 391965-00-7 391965-01-8 391965-02-9  
391965-03-0 391965-04-1 391965-05-2 391965-06-3 391965-07-4,  
Transcription factor LCR-F1 (human) 391965-08-5 391965-09-6  
391965-10-9 391965-11-0 391965-12-1, ICH-1L (human gene Ich-1)  
391965-13-2 391965-14-3, Protein (human clone hdlkaag gene dlk)  
391965-15-4, Protein (human 728-amino acid) 391965-16-5 391965-17-6,  
P120 antigen (human) 391965-18-7, ZFX product, isoform 1 (human gene  
ZFX) 391965-19-8 391965-20-1 391965-21-2, Glutamate receptor (human  
gene GLUR5) 391965-22-3, Protein (human gene INHA) 391965-23-4  
391965-24-5, Protein (human gene IGFBP1) 391965-25-6 391965-26-7,  
Protein (human gene cdc25A) 391965-27-8, Cyclin D3 (human gene CCND3)  
391965-28-9, Protein (human 648-amino acid) 391965-29-0 391965-30-3,  
Protein (human gene ABL1) 391965-31-4, Cyclin (human) 391965-32-5,  
Protein (human 155-amino acid) 391965-33-6 391965-34-7, Gst-pi protein  
(human) 391965-35-8, Protein (human 222-amino acid) 391965-36-9,  
D-type cyclin (human gene CCND2) 391965-37-0, GTP-binding protein (human  
gene rhoA) 391965-38-1, Glutathione peroxidase (human) 391965-39-2,  
Protein (human clone bcl-xS gene bcl-xS) 391965-40-5 391965-41-6,  
Cyclin H (human clone F11-1 ) 391965-42-7 391965-43-8, Protein (human  
gene ITGB5) 391965-44-9 391965-45-0, Protein (human gene LYAM1)  
391965-46-1, Protein (human 798-amino acid) 391965-47-2 391965-48-3  
391965-49-4, Protein (human gene SP1) 391965-50-7 391965-51-8  
391965-52-9, MAP kinase kinase 3 (human gene MKK3) 391965-53-0, MAP  
kinase kinase 4 (human gene MKK4) 391965-54-1, Protein (human 394-amino  
acid) 391965-55-2, Protein (human clone RB-[1,5] gene RB1)  
391965-56-3, Protein (human 543-amino acid) 391965-57-4 391965-58-5  
391965-59-6 391965-60-9, Protein (human gene APC) 391965-61-0, Sp2  
protein (human cell line Molt13 ) 391965-62-1, Sp3 protein (human cell  
line Hut78 ) 391965-63-2, P19INK4d (human) 391965-64-3, Cyclin G1  
(human) 391965-65-4, Cyclin A1 (human) 391965-66-5 391965-67-6,  
Protein (human 326-amino acid) 391965-68-7 391965-69-8, JunD protein  
(human gene junD) 391965-70-1, C-src-kinase (human clone 12a1 )  
391965-71-2, Vimentin (human clone vim6 ) 391965-72-3, FAST kinase  
(human gene fast) 391965-73-4, Beta-catenin (human cell line 5637 )

391965-74-5, P35 (human cell line HeLa gene CAP35) 391965-75-6, Tyrosine phosphatase (human) 391965-76-7 391965-77-8 391965-78-9  
391965-79-0, Bcl-2 ue (human gene BAK) 391965-80-3 391965-81-4  
391965-82-5, Inhibitor of apoptosis protein 1 (human) 391965-83-6,  
Inhibitor of apoptosis protein 2 (human) 391965-84-7  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(amino acid sequence; human stress genes identified using DNA  
microarrays)

IT 391965-85-8 391965-86-9, MACH-alpha-1 (human) 391965-87-0  
391965-88-1, FAN protein (human) 391965-89-2, Serotonin 5-HT3 receptor  
(human) 391965-90-5, Protein (human gene clk2) 391965-91-6, Protein  
(human gene clk3) 391965-92-7, Protein (human gene clk1) 391965-93-8,  
Protein (human gene IGFBP1) 391965-94-9 391965-95-0 391965-96-1  
391965-97-2 391965-98-3 391965-99-4 391966-00-0, TAFII31 (human)  
391966-01-1 391966-02-2, RACH1 (human gene RACH1) 391966-03-3, C-1  
(human gene C-1) 391966-04-4 391966-05-5 391966-06-6, Bcl-w (human  
gene bcl-w) 391966-07-7, Neogenin (human) 391966-08-8 391966-09-9  
391966-10-2 391966-11-3 391966-12-4 391966-13-5 391966-14-6,  
Troponin I (human) 391966-15-7, Protein (human gene ARL1) 391966-16-8,  
ADP-ribosylation factor (human) 391966-17-9, Angiogenin (human gene ANG)  
391966-18-0, Protein (human 572-amino acid) 391966-19-1, Protein (human  
218-amino acid) 391966-20-4, Protein (human 514-amino acid)  
391966-21-5, Protein (human 603-amino acid) 391966-22-6, DPM2 (human  
gene DPM2) 391966-23-7, SkblHs (human gene SKB1Hs) 391966-24-8  
391966-25-9, Protein (human 128-amino acid) 391966-26-0, Liprin-beta2  
(human) 391966-27-1 391966-28-2 391966-29-3, Erythrocyte p55 (human  
gene MPP1) 391966-30-6 391966-31-7 391966-32-8, Heat shock protein  
hsp40-3 (human) 391966-33-9 391966-34-0, Alpha-actinin (human gene  
ACTN3) 391966-35-1 391966-36-2 391966-37-3, Tob family (human clone  
tob4 ) 391966-38-4, Lamin B2 (human gene LAMB2) 391966-39-5, Protein  
(human gene ASGR1) 391966-40-8 391966-41-9, Histone-binding protein  
(human) 391966-42-0, POM-ZP3 (human) 391966-43-1, HZW10 (human cell  
line HeLa gene HZW10) 391966-44-2, K-C1 cotransporter (human gene hKCC1)  
391966-45-3 391966-46-4 391966-47-5 391966-48-6 391966-49-7,  
Kinesin-2 (human gene HK2) 391966-50-0, BAI1-associated protein 1  
(human) 391966-51-1 391966-52-2 391966-53-3, DnaJ protein (human  
gene HSPF2) 391966-54-4, Alpha 1,2-mannosidase IB (human) 391966-55-5,  
Timing protein CLK-1 (human) 391966-56-6 391966-57-7 391966-58-8,  
KEO5 protein (human) 391966-59-9 391966-60-2 391966-61-3  
391966-62-4, Homer-3 (human clone 376124 ) 391966-63-5 391966-64-6  
391966-65-7, Intestinal trefoil factor (human) 391966-66-8  
391966-67-9, Copper monamine oxidase (human) 391966-68-0 391966-69-1,  
Ki nuclear autoantigen (human) 391966-70-4, Centromere protein-A (human  
gene CENP-A) 391966-71-5, Protein (human gene ECA39) 391966-72-6, SMCY  
(human gene H-Y) 391966-73-7, HAX-1 (human) 391966-74-8 391966-75-9,  
DGCR6 (human cell line HeLa ) 391966-76-0, Nucleosome assembly protein 2  
(human) 391966-77-1 391966-78-2, Alpha-centractin (human clone FC1519  
) 391966-79-3, Nucleoporin-like protein (human) 391966-80-6  
391966-81-7 391966-82-8, Protein (human 275-amino acid) 391966-83-9  
391966-84-0, Carbonic anhydrase IV (human) 391966-85-1, RNA-binding  
protein (human clone E5.1 ) 391966-86-2 391966-87-3, Protein (human  
225-amino acid) 391966-88-4, Protein (human gene AHSG) 391966-89-5,  
Fibrillarin (human gene FBL) 391966-90-8 391966-91-9 391966-92-0,  
RNPL (human) 391966-93-1, Phosphoprotein CtBP (human) 391966-94-2  
391966-95-3, Beta2-syntrophin (human gene SNTB2) 391966-96-4  
391966-97-5 391966-98-6 391966-99-7 391967-00-3 391967-01-4  
391967-02-5 391967-03-6 391967-04-7 391967-05-8, Protein (human  
255-amino acid) 391967-06-9 391967-07-0, Protein (human 412-amino  
acid) 391967-08-1 391967-09-2 391967-10-5, AD amyloid (human)  
391967-11-6, Ribosomal protein L7 (human gene RPL7) 391967-12-7, Lysyl  
oxidase-like protein (human) 391967-13-8, Protein (human gene RPS17)  
391967-14-9, Protein (human gene UROD) 391967-15-0, Protein (human gene

ASNS) 391967-16-1 391967-17-2 391967-18-3 391967-19-4, Cyclophilin  
 B (human gene PPIB) 391967-20-7 391967-21-8 391967-22-9  
 391967-23-0 391967-24-1, Protein (human gene SUPT4H) 391967-25-2  
 391967-26-3 391967-27-4 391967-28-5 391967-29-6 391967-30-9,  
 H<sup>+</sup>-ATP synthase subunit b (human) 391967-31-0, Elongation factor 1  
 alpha-2 (human) 391967-32-1, Trypsinogen IV b-form (human) 391967-33-2  
 391967-34-3, Protein (human 631-amino acid) 391967-35-4 391967-36-5,  
 Lipocortin II (human) 391967-37-6 391967-38-7 391967-39-8  
 391967-40-1, CX3C chemokine precursor (human) 391967-41-2 391967-42-3  
 391967-43-4 391967-44-5 391967-45-6 391967-46-7 391967-47-8  
 391967-48-9 391967-49-0 391967-50-3 391967-51-4 391967-52-5  
 391967-53-6, Eotaxin (human clone 141 ) 391967-54-7, CC-chemokine (human  
 clone 34(960222) ) 391967-55-8, CC-chemokine (human clone 53 )  
 391967-56-9, Protein (human gene Hox1.4) 391967-57-0, Protein p18 (human  
 gene LAP18) 391967-58-1, Protein (human gene HOX1.3) 391967-59-2,  
 Protein (human 645-amino acid) 391967-60-5 391967-61-6, Protein (human  
 gene HOX2.2) 391967-62-7, Truncated protein (human gene HOX2.2)  
 391967-63-8 391967-64-9 391967-65-0, SOX-4 (human gene sox-4)  
 391967-66-1 391967-67-2 391967-68-3, Nucleophosmin (human)  
 391967-69-4 391967-70-7 391967-71-8, Protein (human gene BCL3)  
 391967-72-9, CD53 glycoprotein (human) 391967-73-0, GM-CSF receptor beta  
 chain (human) 391967-74-1 391967-75-2 391967-76-3, Ferritin (human)  
 391967-77-4 391967-78-5, Protein (human gene AF1q) 391967-79-6  
 391967-80-9 391967-81-0, Laminin alpha 4 (human gene LAMA4)  
 391967-82-1 391967-83-2 391967-84-3 391967-85-4 391967-86-5,  
 Protein (human 368-amino acid) 391967-87-6 391967-88-7, Neurotrophic  
 factor (human) 391967-89-8, Protein (human 473-amino acid) 391967-90-1  
 391967-91-2 391967-92-3, B-raf protein (human gene B-raf) 391967-93-4  
 391967-94-5 391967-95-6, Protein (human 297-amino acid) 391967-96-7,  
 Alpha (2) chain (human clone HD3, HD4 ) 391967-97-8 391967-98-9  
 391967-99-0 391968-00-6, Protein (human 931-amino acid) 391968-01-7,  
 P-cadherin (human) 391968-02-8, Serine/threonine protein kinase (human)  
 391968-03-9, Serine/threonine protein kinase (human) 391968-04-0,  
 Rb2/p130 protein (human) 391968-05-1, Human tenascin-C (human)  
 391968-06-2, Hexabrachion (human gene HXB) 391968-07-3, Protein (human  
 gene p35) 391968-08-4, Protein (human gene A2M) 391968-09-5,  
 E-cadherin (human) 391968-10-8, Laminin (human cell line HT-1080 )  
 391968-11-9, Protein (human gene Wnt-13) 391968-12-0, Protein (human  
 gene PDCD2) 391968-13-1 391968-14-2, Hyaluronan receptor (human gene  
 RHAMM) 391968-15-3, Protein (human 472-amino acid) 391968-16-4,  
 Smoothed (human) 391968-17-5, Notch4 (human gene hNotch4)  
 391968-18-6 391968-19-7, Nidogen (human gene NID) 391968-20-0  
 391968-21-1, Protein (human 810-amino acid) 391968-22-2  
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(amino acid sequence; human stress genes identified using DNA  
 microarrays)

IT 391968-23-3 391968-24-4, Protein (human gene RARG) 391968-25-5  
 391968-26-6, Rac protein kinase-alpha (human) 391968-27-7, Rac protein  
 kinase-beta (human) 391968-28-8 391968-29-9, Casper (human gene  
 Casper) 391968-30-2, CASH alpha protein (human) 391968-31-3, CASH beta  
 protein (human) 391968-32-4, Protein (human 192-amino acid)  
 391968-34-6, Protein (human 191-amino acid) 391968-35-7, E2F-1 (human  
 cell line Nalm 6 ) 391968-36-8, Fritz (human) 391968-37-9, Frzb  
 precursor (human gene frzb) 391968-38-0, Frezzled (human gene fre)  
 391968-39-1 391968-40-4, Protein (human gene CD59) 391968-41-5, CD9  
 antigen (human gene CD9) 391968-42-6 391968-43-7 391968-44-8  
 391968-45-9, Seven in absentia (human) 391968-46-0 391968-47-1  
 391968-48-2 391968-49-3 391968-50-6 391968-51-7 391968-52-8,  
 Protein (human gene mtal) 391968-53-9 391968-56-2, Protein (human  
 clone pUIA 631 gene fau) 391968-57-3, PKU-alpha (human) 391968-58-4,  
 STAT induced STAT inhibitor-2 (human) 391968-59-5 391968-60-8  
 391968-61-9 391968-62-0 391968-63-1, Cyr61 protein (human gene CYR61)



391968-64-2 391968-65-3 391968-66-4 391968-67-5 391968-68-6  
 391968-69-7, Protein (human 298-amino acid) 391968-70-0, Protein (human  
 gene UROS) 391968-71-1, Protein (human 233-amino acid) 391968-72-2,  
 Interferon-gamma (human clone 1950.2 ) 391968-73-3, AH-receptor (human  
 cell line HepG2 ) 391968-74-4 391968-75-5 391968-76-6 391968-77-7  
 391968-78-8 391968-79-9 391968-80-2, Protein (human 378-amino acid)  
 391968-81-3 391968-82-4, Protein (human 216-amino acid) 391968-83-5  
 391968-84-6, Protein kinase A gamma-subunit (human) 391968-85-7,  
 Deoxycytidine kinase (human) 391968-86-8, Complement component C5 (human  
 gene C5) 391968-87-9 391968-88-0, IL-16 protein precursor (human)  
 391968-89-1 391968-90-4 391968-91-5 391968-92-6, Ribosomal protein  
 S5 (human) 391968-93-7, P58 (human cell line HeLa ) 391968-94-8  
 391968-95-9, Transcriptional regulator RPD3 (human) 391968-96-0  
 391968-97-1, Glutathione synthetase (human) 391968-98-2, Xanthine  
 dehydrogenase/oxidase (human) 391968-99-3, Dpc4 (human gene DPC4)  
 391969-00-9 391969-01-0 391969-02-1 391969-03-2 391969-04-3, Mad2  
 (human gene hSMAD2) 391969-05-4 391969-06-5 391969-07-6  
 391969-08-7 391969-09-8, HSIH2 (human) 391969-10-1 391969-11-2  
 391969-12-3 391969-13-4, Protein (human 289-amino acid) 391969-14-5,  
 Pro-(cathepsin L) (human clone pHu-16. ) 391969-15-6 391969-16-7  
 391969-17-8 391969-18-9 391969-19-0 391969-20-3, Thioredoxin  
 reductase (NADPH) (human) 391969-21-4 391969-22-5, Protein (human  
 677-amino acid) 391969-23-6, Net (human cell line HELA ) 391969-24-7  
 391969-25-8 391969-26-9, Protein (human cell line MCF-7 gene ESR)  
 391969-27-0 391969-28-1 391969-29-2 391969-30-5, Lysyl oxidase  
 (human gene LOX) 391969-31-6 391969-32-7, RecA-like protein (human  
 gene hREC2) 391969-33-8 391969-34-9 391969-35-0, CHD1 (human gene  
 CHD1) 391969-36-1, Cdc7 (human cell line HeLa gene CDC7) 391969-37-2,  
 14-3-3 Sigma protein (human) 391969-38-3, TESK1 (human) 391969-39-4  
 391969-40-7 391969-41-8 391969-42-9, Protein (human gene ARAF1)  
 391969-43-0, Importin beta subunit (human) 391969-44-1 391969-45-2  
 391969-46-3, DOC-2 (human) 391969-47-4, MyD88 (human) 391969-48-5  
 391969-49-6 391969-50-9, Serine kinase SRPK2 (human) 391969-51-0,  
 Growth-arrest-specific protein 2 (human) 391969-52-1, Alpha 1 globin  
 (human) 391969-53-2 391969-54-3, RING6 (human clone RING6 gene RING6)  
 391969-55-4 391969-56-5 391969-57-6 391969-58-7 391969-59-8,  
 Protein (human gene NGAL) 391969-60-1 391969-61-2 391969-62-3, DNA  
 methyltransferase (human) 391969-63-4, P107 (human) 391969-64-5,  
 Protein (human gene PGY1) 391969-65-6 391969-66-7 391969-67-8,  
 Lysophosphatidic acid receptor (human) 391969-68-9 391969-69-0  
 391969-70-3, Neuroglycan C (human) 391969-71-4, P21-activated kinase 3  
 (human gene PAK3) 391969-72-5 391969-73-6 391969-74-7 391969-75-8,  
 Protein (human 423-amino acid) 391969-76-9, Protein (human 255-amino  
 acid) 391969-77-0 391969-78-1, Photolyase (human) 391969-79-2,  
 Protein (human gene G19P1) 391969-80-5, Protein (human gene GLUT2)  
 391969-81-6, Protein (human gene TF) 391969-82-7, Protein (human  
 412-amino acid) 391969-83-8, Protein (human 404-amino acid)  
 391969-84-9, Na/H antiporter (human gene APNH) 391969-85-0, B94 protein  
 (human) 391969-86-1 391969-87-2 391969-88-3, Methionine  
 aminopeptidase (human) 391969-89-4, Leptin receptor (human gene Ob-r)  
 391969-90-7, Myotubularin (human gene MTM1) 391969-91-8 391969-92-9,  
 Alpha1-acid glycoprotein (human) 391969-93-0, Trypsin inhibitor (human)  
 391969-94-1 391969-95-2 391969-96-3, HE4 protein (human) 391969-97-4  
 391969-98-5, Tuberin (human gene TSC2) 391969-99-6 391970-00-6  
 391970-01-7, Protein (human gene white) 391970-02-8, Phospholipase c  
 (human cell line WI-38 ) 391970-03-9 391970-04-0 391970-05-1  
 391970-06-2, Protein (human gene PKD2) 391970-07-3 391970-08-4,  
 Protein (human 609-amino acid) 391970-09-5 391970-10-8, Protein (human  
 gene ETS2) 391970-11-9, Protein (human gene HCF2) 391970-12-0, Protein  
 (human 352-amino acid) 391970-13-1 391970-14-2, Parathyroid hormone  
 receptor (human) 391970-15-3 391970-16-4, Protein (human gene GNAI1)  
 391970-17-5 391970-18-6, Delta7-sterol reductase (human) 391970-19-7,  
 Squalene epoxidase (human strain HeLa ) 391970-20-0 391970-21-1

391970-22-2, Protein (human 267-amino acid) 391970-23-3, ApoCII protein (human) 391970-24-4, Protein (human 4563-amino acid) 391970-25-5 391970-26-6, Rab geranylgeranyl transferase (human) 391970-27-7 391970-28-8, Protein (human 373-amino acid) 391970-29-9 391970-30-2, Protein (human 644-amino acid) 391970-31-3 391970-32-4, SREBP-1 (human cell line HeLa S3 ) 391970-33-5 391970-34-6, ApoC-IV (human gene APOC4) 391970-35-7 391970-36-8, Protein (human gene AGT) 391970-37-9 391970-38-0, Protein (human gene DCP1) 391970-39-1 391970-40-4 391970-41-5, Protein (human gene ADH4) 391970-42-6 391970-43-7 391970-44-8, HB-FABP (human) 391970-45-9, Caveolin-2 (human) 391970-46-0, Caveolin-3 (human) 391970-47-1 391970-48-2 391970-49-3, Protein (human gene GRL) 391970-50-6 391970-51-7 391970-52-8 391970-53-9, Protein (human 615-amino acid) 391970-54-0, Protein (human 461-amino acid) 391970-55-1, APPH (human gene APPH) 391970-56-2 391970-57-3, CD68 (human gene CD68) 391970-58-4 391970-59-5 391970-60-8 391970-61-9, Protein (human 588-amino acid) 391970-62-0, Protein (human gene VCL) 391970-63-1

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(amino acid sequence; human stress genes identified using DNA microarrays)

IT 391970-64-2 391970-65-3 391970-66-4 391970-67-5, Protein (human cell line H3347 gene L6) 391970-68-6 391970-69-7, Protein (human gene GLUT4) 391970-70-0, Troponin T (human gene troponinT, TnT) 391970-71-1 391970-72-2 391970-73-3 391970-74-4 391970-75-5 391970-76-6, Protein (human gene COL4A1) 391970-77-7 391970-78-8 391970-79-9, Protein (human gene CYP2B) 391970-80-2, Protein (human gene CYP2B) 391970-81-3, Cytochrome P450 (human gene CYP4A) 391970-82-4, Protein (human 503-amino acid) 391970-83-5 391970-84-6 391970-85-7 391970-86-8, Acetylhydrolase IB beta-subunit (human) 391970-87-9, Protein (human 140-amino acid) 391970-88-0, Calphobindin II (human clone C-6 ) 391970-89-1, Pyruvate kinase (human) 391970-90-4 391970-91-5 391970-92-6, Rab GDI alpha (human) 391970-93-7, Protein (human 466-amino acid) 391970-94-8 391970-95-9, Glycerol kinase (human gene GK) 391970-96-0, Phosphatidylinositol 4-kinase (human) 391970-97-1 391970-98-2, Protein (human gene HEXA) 391970-99-3, Protein (human gene MBP) 391971-00-9, Protein (human gene GUSB) 391971-01-0, Protein (human gene GLUD1) 391971-02-1, Protein PP4-X (human) 391971-03-2, Protein (human gene ANX3) 391971-04-3 391971-05-4 391971-06-5, GTP-binding protein (human gene RAB1) 391971-07-6, Protein (human 181-amino acid) 391971-08-7, Acetylcholinesterase (human gene ACHE) 391971-09-8 391971-10-1, Hexokinase 1 (human gene HK1) 391971-11-2 391971-12-3 391971-13-4 391971-14-5 391971-15-6 391971-16-7 391971-17-8 391971-18-9 391971-19-0, Syntaxin 7 (human) 391971-20-3 391971-21-4 391971-22-5, Diacylglycerol kinase (human) 391971-23-6, Man9-mannosidase (human gene HUMM3) 391971-24-7 391971-25-8 391971-26-9 391971-27-0, DNA polymerase gamma (human gene MDP1) 391971-28-1, Protein (human 695-amino acid) 391971-29-2, Protein (human 607-amino acid) 391971-30-5 391971-31-6, Laminin M chain (merosin) (human) 391971-32-7 391971-33-8, Protein (human gene GFAP) 391971-34-9, Dynamin (human) 391971-35-0, Beta-prime-adaptin (human gene AP1B1) 391971-36-1, Dystroglycan (human gene DAG1) 391971-37-2, Dynamin (human gene DNM) 391971-38-3, Creatine kinase M (human gene CKM) 391971-39-4 391971-40-7 391971-41-8 391971-42-9 391971-43-0 391971-44-1, Nitric oxide synthase (human) 391971-45-2 391971-46-3 391971-47-4, Protein (human 309-amino acid) 391971-48-5, Protein (human 404-amino acid) 391971-49-6 391971-50-9, Ras related protein Rab5b (human) 391971-51-0 391971-52-1, Caltractin (human) 391971-53-2 391971-54-3 391971-55-4 391971-56-5 391971-57-6, DEC1 (human) 391971-58-7, Requiem (human gene HREQ) 391971-59-8, Dishevelled 2 (human gene DVL2) 391971-60-1, Smad7 protein (human) 391971-61-2 391971-62-3, ESP1/CRP2 (human) 391971-63-4, Protein (human gene EGR2) 391971-64-5, Protein (human clone cc33 gene S182) 391971-65-6



391971-66-7, Protein (human gene INHBB) 391971-67-8 391971-68-9  
 391971-69-0 391971-70-3, Mox1 (human gene MOX1) 391971-71-4  
 391971-72-5 391971-73-6, ENX-1 (human cell line ZR-75 ) 391971-74-7  
 391971-75-8, Eabl (human gene Eabl) 391971-76-9 391971-77-0,  
 Homeodomain protein HOXB13 (human) 391971-78-1, EYA3 (human gene EYA3)  
 391971-79-2, Notch3 (human gene NOTCH3) 391971-80-5 391971-81-6,  
 Transcription factor (human gene MSX2) 391971-82-7, Mox-2 (human gene  
 MOX2) 391971-83-8 391971-84-9, Homeobox protein Cdx1 (human clone 6G2  
 ) 391971-85-0 391971-86-1, CTG3a (human gene CTG3a) 391971-87-2  
 391971-88-3, NF-L (human clone pHNFL ) 391971-89-4 391971-90-7,  
 Protein (human gene HSPG1) 391971-91-8 391971-92-9, Cytosolic epoxide  
 hydrolase (human) 391971-95-2, Protein (human gene DNTT) 391971-96-3,  
 Protein (human gene PPOL) 391972-11-5, Protein (human 529-amino acid)  
 391972-12-6 391972-13-7 391972-14-8, Meltrin-S (human gene ADAM12)  
 391972-15-9, Protein (human gene ODC1) 391972-16-0 391972-17-1  
 391972-18-2, Cystatin B (human cell line THP-1 ) 391972-19-3  
 391972-20-6 391972-21-7 391972-22-8 391972-23-9 391972-24-0, UCP2  
 (human) 391972-25-1, Protein (human 417-amino acid) 391972-26-2,  
 Protein (human 413-amino acid) 391972-27-3 391972-28-4, Ribosomal  
 protein S29 (human) 391972-29-5 391972-30-8, EIF4GII (human)  
 391972-31-9 391972-32-0, MEK kinase 1 (human gene MEKK1) 391972-33-1,  
 Protein (human 116-amino acid) 391972-34-2, Protein (human gene H4F2)  
 391972-35-3 391972-36-4 391972-37-5, GTP-binding protein (human gene  
 HSR1) 391972-38-6 391972-39-7, Protein (human 444-amino acid)  
 391972-40-0, Coagulation factor VII (human) 391972-41-1, Protein (human  
 gene GGT1) 391972-42-2, Protein (human 227-amino acid) 391972-43-3,  
 Protein (human gene HLA-DNA) 391972-44-4, BGPC (human gene BGPC)  
 391972-45-5, Protein (human clone H9 413-amino acid) 391972-46-6,  
 Protein (human 247-amino acid) 391972-47-7, HCSX (human clone pHCSX 1313  
 gene hCSX) 391972-48-8 391972-49-9, P27kip1 (human clone p27 kip1 )  
 391972-50-2, Ankyrin G (human gene ANK-3) 391972-51-3 391972-52-4,  
 FADD (human) 391972-53-5 391972-54-6 391972-55-7 391972-56-8  
 391972-57-9, HSJ1b (human gene HSJ1) 391972-58-0, HSJ1a (human gene  
 HSJ1) 391972-59-1 391972-60-4, Protein (human gene USF2) 391972-61-5  
 391972-62-6, Id4 (human) 391972-63-7, Thrombospondin-4 (human)  
 391972-64-8, Cyclin F (human) 391972-65-9 391972-66-0, FK506-binding  
 protein (human) 391972-67-1 391972-68-2, Cysteine desulfurase (human  
 gene nifs) 391972-69-3 391972-70-6, Caspase 14 precursor (human gene  
 CASP14) 391972-71-7, Timeless (human) 391972-72-8 391972-73-9  
 391972-74-0, HSOX20 protein (human cell line NCR-G3 ) 391972-75-1,  
 HSF2BP (human gene HSF2BP) 391972-76-2, Hic-5 (human) 391972-77-3  
 391972-78-4 391972-79-5, Aquaporin 8 (human gene hAQP8) 391972-80-8  
 391972-81-9 391972-82-0, MRJ (human gene MRJ) 391972-83-1  
 391972-84-2 391972-85-3 391972-86-4, Choline/ethanolamine kinase  
 (human) 391972-87-5, MLD (human cell line HeLa ) 391972-88-6  
 391972-89-7 391972-90-0 391972-91-1 391972-92-2 391972-93-3, Rigui  
 (human gene RIGUI) 391972-94-4, HP protein (human gene HP) 391972-95-5  
 391972-96-6 391972-97-7, Glypican-4 (human gene GPC4) 391972-98-8  
 391972-99-9 391973-00-5 391973-01-6 391973-02-7 391973-03-8, UBA3  
 (human gene UBA3) 391973-04-9, Adaptor protein X11beta (human)  
 391973-05-0, Thioredoxin (human) 391973-06-1, Sec61 gamma (human)  
 391973-07-2, Sterol/retinol dehydrogenase (human) 391973-08-3  
 391973-09-4 391973-10-7 391973-11-8, Transcriptional repressor E2F-6  
 (human) 391973-12-9 391973-13-0 391973-14-1, Hand1 protein (human)  
 391973-15-2, SURF-4 (human) 391973-16-3 391973-17-4

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

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 microarrays)

IT 391973-18-5, Signalosome subunit 2 (human gene SGN2) 391973-19-6  
 391973-20-9, Protein (human 375-amino acid) 391973-21-0 391973-22-1  
 391973-23-2, 23 KD highly basic protein (human) 391973-24-3, Ribosomal  
 protein S9 (human) 391973-25-4, Protein (human 685-amino acid)

391973-26-5, Phospholipase A2 (human) 391973-27-6, Protein (human  
218-amino acid) 391973-28-7 391973-29-8 391973-30-1, TAXREB67  
protein (human) 391973-31-2, Protein (human 241-amino acid)  
391973-32-3, Protein (human 455-amino acid) 391973-33-4, HGF activator  
precursor (human) 391973-34-5, Protein (human 271-amino acid)  
391973-35-6 391973-36-7, Recombinant glial growth factor (human)  
391973-37-8 391973-38-9, Protein (human 91-amino acid) 391973-39-0  
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391973-61-8 391973-62-9 391973-63-0, Protein (human gene PAI1)  
391973-64-1, GTP-binding protein (human gene RAB5) 391973-65-2, Protein  
(human 1207-amino acid) 391973-66-3 391973-67-4, Protein (human  
135-amino acid) 391973-68-5 391973-69-6 391973-70-9 391973-71-0  
391973-72-1 391973-73-2, Amphiphysin (human clone 22-2 ) 391973-74-3  
391973-75-4, Interleukin-2 (human) 391973-76-5, 5-HT1D-type serotonin  
receptor (human) 391973-77-6 391973-78-7 391973-79-8, Protein (human  
1049-amino acid) 391973-80-1 391973-81-2, Fas ligand (human)  
391973-82-3, L-myc protein (human) 391973-83-4, L-myc protein (human  
gene L-myc) 391973-84-5, I-Rel (human cell line Jurkat ) 391973-85-6,  
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239-amino acid) 391973-88-9, Apo-2 ligand (human) 391973-89-0  
391973-90-3, Protein (human gene cdc25B) 391973-91-4, Protein (human  
gene CDC25Hu2) 391973-92-5, P14-CDK inhibitor (human) 391973-93-6  
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391974-03-1 391974-04-2, MT-MMP (human) 391974-05-3, MT-MMP (human  
gene human29) 391974-06-4, Cadherin-6 (human cell line C-Li21 )  
391974-07-5, Cadherin-11 (human) 391974-08-6, Cadherin-12 (human)  
391974-09-7, Br-cadherin (human clone 8B1 ) 391974-10-0, Cadherin-13  
(human) 391974-11-1 391974-12-2, Serine/threonine protein kinase  
(human) 391974-13-3 391974-14-4 391974-15-5, CD27BP (human cell line  
HeLa gene Siva) 391974-16-6, Apoptosis inhibitor survivin (human)  
391974-17-7 391974-18-8, PLK (human clone PL-5, PL-8, PL-PCR )  
391974-19-9, Protein (human gene MET) 391974-20-2, CDC37 (human)  
391974-21-3, Protein (human 207-amino acid) 391974-22-4 391974-23-5,  
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391974-29-1 391974-30-4, UEV-1 (human clone MAC4 gene UBE2V)  
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391974-34-8, FUSE binding protein 2 (human gene FBP2) 391974-35-9, BTG2  
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391974-45-1, Protein (human 193-amino acid) 391974-46-2, AP-4 (human  
gene AP-4) 391974-47-3, Fatty acid synthase (human) 391974-48-4,  
Protein (human gene c-Ha-ras-1) 391974-49-5, Ornithine decarboxylase  
(ODC) (human) 391974-50-8, Protein (human clone hhm2 gene HMG-2)  
391974-51-9 391974-52-0, RCL (human gene Rcl) 391974-53-1  
391974-54-2, Cyclin K (human gene CPR4) 391974-55-3, Anti-death protein  
(human gene IEX-1L) 391974-56-4, PAP ous protein (human) 391974-57-5  
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gene NMB) 391974-64-4, Protein (human 1480-amino acid) 391974-65-5  
391974-66-6 391974-67-7, Alpha-1-antitrypsin (aa 268-394) (human)  
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391974-76-8, Pre-apolipoprotein CIII (human) 391974-77-9, Protein (human 499-amino acid) 391974-78-0, Cytochrome P450 reductase (human) 391974-79-1, Protein (human 184-amino acid) 391974-80-4, Protein (human gene TIMP) 391974-81-5 391974-82-6 391974-83-7 391974-84-8 391974-85-9 391974-86-0, Protein (human 375-amino acid) 391974-87-1, Cholesterol esterase (human gene LIPA) 391974-88-2, Protein (human gene ALDH1) 391974-89-3, Precursor peptide (human) 391974-90-6, Protein (human 328-amino acid) 391974-91-7, Protein (human gene FABP2) 391974-92-8, Protein (human gene FABP1) 391974-93-9, Protein (human gene CBG) 391974-94-0 391974-95-1 391974-96-2, Fibrinogen gamma chain (human) 391974-97-3, Protein (human 169-amino acid) 391974-98-4, Protein (human 153-amino acid) 391974-99-5, Endothelin-converting-enzyme 1 (human) 391975-00-1 391975-01-2 391975-02-3 391975-03-4, VLACD (human strain Caucasoid) 391975-04-5, FIC1 (human) 391975-05-6 391975-06-7 391975-07-8 391975-08-9 391975-09-0, Protein (human 504-amino acid) 391975-10-3, Protein (human 503-amino acid) 391975-11-4, Protein (human 502-amino acid) 391975-12-5, Protein (human 503-amino acid) 391975-13-6 391975-14-7, Cholesterol 7-alpha-hydroxylase (human) 391975-15-8, Protein (human gene CYP17) 391975-16-9, Protein (human 424-amino acid) 391975-17-0 391975-18-1, Cyclooxygenase-2 (human gene Cox-2) 391975-19-2, Protein (human gene HMGCR) 391975-20-5, Protein (human gene PRNP) 391975-21-6, Protein (human gene LPL) 391975-22-7, Phospholipase (human) 391975-23-8 391975-24-9, Protein (human gene LBP) 391975-25-0 391975-26-1 391975-27-2, Pxaaalp (human gene PAXAA1) 391975-28-3, MMAC1 (human gene MMAC1) 391975-29-4 391975-30-7, Protein (human 347-amino acid) 391975-31-8 391975-32-9 391975-33-0, Protein (human 515-amino acid) 391975-34-1 391975-35-2, Protein (human 802-amino acid) 391975-36-3 391975-37-4, Connexin 40 (human) 391975-38-5, Involucrin (human gene IVL) 391975-39-6 391975-40-9, Protein (human 283-amino acid) 391975-41-0 391975-42-1, OCTN1 (human gene OCTN1) 391975-43-2 391975-44-3 391975-45-4 391975-46-5 391975-47-6 391975-48-7 391975-49-8 391975-50-1 391975-51-2, Alanine aminotransferase (human) 391975-52-3, VEGF-D (human) 391975-53-4, Protein (human gene ANTI1) 391975-54-5, Protein (human gene DRA) 391975-55-6, Sulfonylurea receptor (human gene SUR1)

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(amino acid sequence; human stress genes identified using DNA microarrays)

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393588-69-7 393588-70-0 393588-71-1 393588-72-2 393593-31-2,  
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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
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(amino acid sequence; human stress genes identified using DNA  
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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)

(nucleotide sequence; human stress genes identified using DNA  
microarrays)

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(nucleotide sequence; human stress genes identified using DNA  
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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
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(nucleotide sequence; human stress genes identified using DNA  
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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)

(nucleotide sequence; human stress genes identified using DNA  
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 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
 (nucleotide sequence; human stress genes identified using DNA microarrays)

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(nucleotide sequence; human stress genes identified using DNA  
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TI Nucleic acid sequences associated with baldness and uses in detecting the likelihood of baldness and for gene therapy

IN Pritchard, David; Burmer, Glenna; Brown, Joseph; Demas, Vasiliki

PA Lifespan Biosciences, Inc., USA

SO PCT Int. Appl., 87 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C12Q001-68

CC 3-4 (Biochemical Genetics)

Section cross-reference(s): 14, 62

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WO 2001081628	A1	20011101	WO 2001-US12184	20010413 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002177566	A1	20021128	US 2001-825096	20010402 <--
PRAI US 2000-199745P	P	20000425 <--		

AB This invention relates to the discovery of nucleic acids and proteins assocd. with baldness and/or hair loss. A change in gene expression assocd. with baldness, in samples from male, human scalp, was demonstrated. The gene expression from non-bald individual or in a non-bald region of the scalp of an individual was compared with the gene expression in a bald individual or in a non-bald region of the scalp of an individual, and also with transitional individual or with transitional regions of the scalp. The identification of the baldness-assocd. nucleic acids and proteins have uses in predicting the propensity for baldness of an individual and/or in detg. the likelihood of baldness in an individual experiencing hair loss. In addn., the nucleic acids of the invention can be used can be used for gene therapy for delaying or stopping the



- progression of baldness, and/or for reversing baldness.
- ST baldness gene expression human male scalp; hair loss gene therapy cosmetics
- IT Fibrillins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (2, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Syntaxins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (3, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Thrombospondins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (3, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Keratins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (6, isoform K6E, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Apolipoproteins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (A, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (AKAP100, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Transcription factors  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (AP-2 (activator protein 2), .gamma., down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Sodium channel  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (BNAC1, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (BRCA2, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (C-reactive, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)

- IT CD antigens  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(CD37, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Sprays  
(Cosmetics; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Cyclins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(D3, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(DBI (diazepam binding inhibitor), down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Apolipoproteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(E, up-regulated gene expression for receptor 2 for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(ERBA-related, EAR-3, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(GRB14, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT High-mobility group proteins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(HMG2, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Transcription factors  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(ISGF-3 (interferon-stimulated gene factor 3), .gamma., up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(KIAA0043, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(KIAA0056, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class



- RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(KIAA0061, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(KIAA0146, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(KIAA0221, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(KIAA0223, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(KIAA0439, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Potassium channel  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(Kv1 (potassium channel-forming, voltage-regulated, 1), down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(LFP40, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(MUF11, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(Mesothelin, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Transcription factors  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(NFATc (nuclear factor, activated T-cell, cytosolic), down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Hormone receptors  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(NOR-1, down-regulated gene expression for; nucleic acid sequences

- assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Antigens  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (NY-CO-31, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (Plectin, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (SIP1, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Transcription factors  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (Sp2, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Troponins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (T, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Transcription factors  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (TFIIF (transcription factor IIF), down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (Titin Z, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Transport proteins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (amino acid-transporting, 3, excitatory, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Shampoos  
 (and conditioners; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Porins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (aquaporins, aquaporin-7 like, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Antigens  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (autoantigens, KI, up-regulated gene expression for; nucleic acid

- sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT **Gene, animal**  
 RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PROC (Process); USES (Uses)  
 (baldness-assocd., **expression**; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
 mRNA  
 RL: BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
 (baldness-assocd.; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Scalp  
 (cell, baldness-assocd. gene expression in; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Alopecia  
 (delaying, or stopping, or reversing of; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Immunoassay  
 (detecting baldness-assocd. proteins using; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Test kits  
 (detecting dormant hair follicle using; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Interleukin 6  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Initiation factors (protein formation)  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (eIF-2B, .epsilon. subunit, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Initiation factors (protein information)  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (eIF-3, .beta., down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Glycophosphoproteins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (endoplasmic, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Glycoproteins, specific or class  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (fibulins, 2, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Hair  
 (follicle, dormant, condition; nucleic acid sequences assocd. with

- baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Cosmetics  
(for inhibiting baldness; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Cosmetics  
(gels; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(hevin-like, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(homeodomain-contg., MSX-2, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(homeodomain-contg., Shob, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(homeodomain-contg., pituitary, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Nucleic acid hybridization  
(identifying modulators of hair loss using; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Antisense DNA  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(inhibiting of overexpression of baldness-assocd. genes using; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Antibodies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(inhibiting of overexpression of baldness-assocd. proteinss using; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Myosins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(light chain, smooth-muscle isoform, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Immunoglobulins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(light chains, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Cosmetics  
(lotions; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteoglycans, biological studies  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL

- (Biological study); PROC (Process)  
(lumicans, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(microtubule-assocd., MAP 1b, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Diagnosis  
(mol.; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Gene therapy  
(nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Probes (nucleic acid)  
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)  
(nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT **Drug screening**  
(of modulators of hair loss; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Drug delivery systems  
(oily; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Drug delivery systems  
(ointments; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(semaphorin E, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Susceptibility (genetic)  
(to hair loss; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Proteins, specific or class  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(trichohyalins, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Collagens, biological studies  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(type I, .alpha., up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Keratins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(type II, hair-specific, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT EST (expressed sequence tag)  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(up-regulated and down-regulated; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)

- therapy)
- IT TCR .gamma..delta. (receptor)  
Tenascins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Tubulins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(.beta.-, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT Laminins  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(.beta.-3 chain, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9033-10-7  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(-lactase, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9015-83-2, Ribose phosphate pyrophosphokinase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(III, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9025-82-5, Phosphodiesterase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(PDE6G, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 247231-62-5  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(PKU-.alpha., down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9001-18-7, Dihydrolipoamide dehydrogenase 9024-66-2, Diphosphomevalonate decarboxylase 9024-78-6, Kynureninase 9026-22-6, Uridine diphosphoglucose pyrophosphorylase 9073-56-7, .alpha. Iduronidase 53096-17-6, Bleomycin hydrolase 56626-29-0, Flavin reductase 63363-75-7, Thioesterase II 65802-86-0, Prostacyclin synthase 78206-77-6, Procholecystokinin 133875-00-0, Calcyphosine 149371-18-6, Legumain  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9000-83-3, ATPase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(endoplasmic reticulum, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9035-51-2, Cytochrome P 450, biological studies

- RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(ivf3, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9037-14-3, 5-Aminolevulinic acid synthase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(mitochondrial, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9027-13-8, Enoyl coA hydratase 95076-93-0, Peptidyl Prolyl isomerase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(mitochondrial, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9037-65-4, .alpha. Fucosidase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(tissue, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 142008-29-5, Camp dependent protein kinase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(type II-.beta., regulatory chain, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9001-40-5, Glucose 6 phosphate dehydrogenase 9034-38-2, Gonadoliberin 9054-94-8 37274-61-6, Isovaleryl coa dehydrogenase 77106-95-7, Carbonyl reductase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9032-25-1, NADH cytochrome b5 reductase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(up-regulated gene expression of homolog for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9023-94-3, Propionyl coA carboxylase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(.alpha.-chain, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 57285-09-3, Inhibin  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(.beta., C-chain, down-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 61512-21-8, Thymosin  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(.beta.4, up-regulated gene expression for; nucleic acid sequences assocd. with baldness and uses in detecting likelihood of baldness and for gene therapy)
- IT 9012-90-2, DNA polymerase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL

(Biological study); PROC (Process)  
 (.gamma., down-regulated gene expression for; nucleic acid sequences  
 assocd. with baldness and uses in detecting likelihood of baldness and  
 for gene therapy)

IT 50812-37-8, Glutathione S transferase  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
 (Biological study); PROC (Process)  
 (.mu.3, up-regulated gene expression for; nucleic acid sequences  
 assocd. with baldness and uses in detecting likelihood of baldness and  
 for gene therapy)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Andersson; US 5422262 A 1995 HCAPLUS
- (2) Green; US 5037643 A 1991 HCAPLUS
- (3) Imperial College Of Science Technology And Medicine; WO 9428128 A1 1994  
 HCAPLUS

L62 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2002 ACS

AN 1999:641085 HCAPLUS

DN 131:282014

TI Assay for growth differentiation factor 9 and method for identifying  
 agents that alter activity of GDF-9

IN Matzuk, Martin M.; Elvin, Julia A.; Wang, Pei

PA Baylor College of Medicine, USA

SO PCT Int. Appl., 75 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM G01N033-68

ICS G01N033-50

CC 2-1 (Mammalian Hormones)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9950672	A1	19991007	WO 1999-US7210	19990401 <--
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2325019	AA	19991007	CA 1999-2325019	19990401 <--
AU 9933777	A1	19991018	AU 1999-33777	19990401 <--
AU 753793	B2	20021031		
EP 1066528	A1	20010110	EP 1999-915200	19990401 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002510055	T2	20020402	JP 2000-541529	19990401 <--
PRAI US 1998-80385P	P	19980401 <--		
WO 1999-US7210	W	19990401 <--		

AB The present invention relates to a method of identifying an agent which alters (inhibits, enhances) activity of GDF-9. The method involves combining cells having a receptor for GDF-9 and a gene, wherein expression of the gene is regulated by binding of GDF-9 to the receptor; GDF-9; and an agent to be assessed. The combination produced is maintained under conditions appropriate for binding of GDF-9 to the receptors on the cells. The extent to which binding of GDF-9 to the receptors on the cells occurs is then detd., wherein binding of GDF-9 to the receptor to a lesser or greater extent in the presence of the agent to be assessed than in its absence, is indicative of an agent which alters GDF-9 activity. The GDF-9



- modifying agents either enhance or inhibit fertility.
- ST growth differentiation factor 9 modifying agents screening; fertility  
growth differentiation factor 9 modifying agents
- IT Growth factor receptors  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(GDF-9 receptors; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT Proteins, specific or class  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(StAR (steroidogenic acute regulatory), gene for; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT Proteins, specific or class  
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)  
(StAR (steroidogenic acute regulatory), phosphorylated, product for monitoring gene expression; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT **Drug screening**  
(assay for growth differentiation factor 9 and method for identifying agents that alter activity of GDF-9)
- IT Ovary  
(cumulus; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT **Gene**  
(**expression**; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT Ovary  
(follicle cell; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT Gonadotropin receptors  
Stem cell factor  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(gene for; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT Contraceptives  
Fertility  
(method for identifying agents that alter activity of GDF-9 and consequently stimulate or inhibit fertility)
- IT Prostaglandins  
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)  
(product for monitoring gene expression; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT 39391-18-9  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(2, gene for; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)
- IT 208778-50-1, Growth differentiation factor 9  
RL: ANT (Analyte); BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(assay for growth differentiation factor 9 and method for identifying agents that alter activity of GDF-9)
- IT 9001-91-6, Plasminogen  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL

(Biological study); PROC (Process)

(breakdown, process for monitoring gene expression; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)

IT 39346-43-5, Hyaluronan synthase 117628-82-7, Follistatin 139639-24-0, Urokinase plasminogen activator

RL: BSU (Biological study, unclassified); BIOL (Biological study) (gene for; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)

IT 57-83-0, Progesterone, biological studies 9001-90-5, Plasmin 9004-61-9, Hyaluronic acid

RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative) (product for monitoring gene expression; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)

IT 245733-19-1, PN: WO9950672 SEQID: 1 unclaimed DNA 245733-20-4, PN: WO9950672 SEQID: 2 unclaimed DNA 245733-21-5, PN: WO9950672 SEQID: 3 unclaimed DNA 245733-22-6, PN: WO9950672 SEQID: 4 unclaimed DNA 245733-23-7, PN: WO9950672 SEQID: 5 unclaimed DNA 245733-24-8, PN: WO9950672 SEQID: 6 unclaimed DNA 245733-25-9, PN: WO9950672 SEQID: 7 unclaimed DNA 245733-26-0, PN: WO9950672 SEQID: 8 unclaimed DNA 245733-27-1, PN: WO9950672 SEQID: 9 unclaimed DNA 245733-28-2, PN: WO9950672 SEQID: 10 unclaimed DNA 245733-32-8, PN: WO9950672 SEQID: 11 unclaimed DNA 245733-35-1, PN: WO9950672 SEQID: 12 unclaimed DNA 245733-36-2, PN: WO9950672 SEQID: 13 unclaimed DNA 245733-37-3, PN: WO9950672 SEQID: 14 unclaimed DNA 245733-38-4, PN: WO9950672 SEQID: 15 unclaimed DNA 245733-39-5, PN: WO9950672 SEQID: 16 unclaimed DNA 245733-40-8, PN: WO9950672 SEQID: 17 unclaimed DNA 245733-41-9, PN: WO9950672 SEQID: 18 unclaimed DNA

RL: PRP (Properties)

(unclaimed nucleotide sequence; assay for growth differentiation factor 9 and method for identifying agents that alter activity of GDF-9)

IT 57285-09-3, Inhibin

RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)

(.alpha.-subunit, product for monitoring gene expression; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)

IT 115088-91-0, Inhibin B 126338-68-9, Activin B

RL: BSU (Biological study, unclassified); BIOL (Biological study) (.beta.-subunit, gene for; method for identifying agents that alter activity of GDF-9 in cells having a receptor for GDF-9 and a gene regulated by GDF-9)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Dong, J; NATURE 1996, V383, P531 HCAPLUS
- (2) Elvin, J; MOL ENDOCRINOL 1999, V13(6), P1018 HCAPLUS
- (3) Elvin, J; MOL ENDOCRINOL 1999, V13(6), P1035 HCAPLUS
- (4) Univ Johns Hopkins Med; WO 9415966 A 1994 HCAPLUS

=> fil wpix

FILE 'WPIX' ENTERED AT 11:50:40 ON 10 DEC 2002

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FILE LAST UPDATED: 9 DEC 2002 <20021209/UP>

MOST RECENT DERWENT UPDATE: 200279 <200279/DW>

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=> d all abeq tech abex tot

L100 ANSWER 1 OF 10 WPIX (C) 2002 THOMSON DERWENT  
AN 2002-453890 [48] WPIX  
DNC C2002-129028  
TI Method for quantitating or detecting the presence of a target compound in  
a sample using a nucleic acid detector molecule useful for detecting  
target compounds in clinical diagnosis.  
DC B04 D16  
IN DODGE, A H; MENG, Y G; SIMS, P W; SINICROPI, D V; WILLIAMS, P M; WONG, W L  
PA (DODG-I) DODGE A H; (MENG-I) MENG Y G; (SIMS-I) SIMS P W; (SINI-I)  
SINICROPI D V; (WILL-I) WILLIAMS P M; (WONG-I) WONG W L  
CYC 1  
PI US 2002051974 A1 20020502 (200248)\* 37p C12Q001-68 <--  
ADT US 2002051974 A1 Provisional US 1998-110259P 19981130, US 1999-449204  
19991124  
PRAI US 1998-110259P 19981130; US 1999-449204 19991124  
IC ICM C12Q001-68  
ICS C07H021-02; C07H021-04; C12P019-34  
AB US2002051974 A UPAB: 20020730  
NOVELTY - A method for quantitating or detecting the presence of a target  
compound in a sample comprising a nucleic acid detector molecule,  
amplification and quantitation of detection of the detector molecule.  
DETAILED DESCRIPTION - A method for quantitating or detecting the  
presence of a target compound in a sample comprising a nucleic acid  
detector molecule, amplification and quantitation of detection of the  
detector molecule.  
The method (M1) involves the following:  
(a) exposing a sample which may contain the target compound to a  
capture molecule or target molecule binding fragment capable of binding to  
the target molecule under conditions suitable to form a capture  
molecule:target molecule complex  
(b) adding to the capture molecule:target molecule complex a nucleic  
acid group containing detector molecule capable of binding to the target  
molecule to form a capture molecule:target molecule complex  
(c) amplifying the nucleic acid group by polymerase chain reaction  
(PCR) amplification; and  
(d) quantitating or detecting the PCR amplified nucleic acid group  
using a detectable non-primer probe capable of binding to the nucleic acid  
group.  
INDEPENDENT CLAIMS are also included for the following:  
(1) a method (M2) for quantitating or detecting the presence of a  
target compound in a sample which may contain the target compound  
comprising:  
(a) as in method (M1);  
(b) a biotinylated nucleic acid group is added containing detector  
molecule capable of binding to the target molecule to form a biotinylated  
capture antibody:target molecule:detector molecule ternary complex in  
solution;

- (c) immobilizing the biotinylated ternary complex to a streptavidin coated PCR tube;
- (d) amplifying the nucleic acid group by PCR amplification; and
- (e) quantitating or detecting the PCR amplified nucleic acid group using a detectable non-primer probe capable of binding to the nucleic acid group and real time PCR during PCR amplification;
- (2) a method (M3) for quantitating or detecting the presence of a target compound in a sample which may contain the target compound comprising:
  - (a) step (a) as in method (M1);
  - (b) adding an RNA or DNA aptamer detector molecule capable of binding to the target molecule to form a capture antibody:target molecule:aptamer ternary complex;
  - (c) when the aptamer is an RNA detector molecule, reverse transcribing the RNA to DNA;
  - (d) amplifying the DNA aptamer or DNA obtained by step (c) by PCR amplification; and
  - (e) quantitating or detecting the PCR amplified DNA using a detectable non-primer probe capable of binding to the DNA and real time PCR during PCR amplification.

USE - The methods are useful for the detection of target compounds in clinical diagnosis of physiological conditions in the same way as ELISA, immuno-PCR and ELONA. The methods may also be used to detect the presence of a target compound in food, environmental, water and effluent samples.

ADVANTAGE - The methods have improved sensitivity, improved dynamic range and less human manipulation in order to more rapidly analyze samples for the presence of and for the amount of a target antigen.

Dwg.0/8

FS

CPI

FA

AB; DCN

MC

CPI: B04-B04B1; B04-B04D4; B04-B04D5; B04-B04G; B04-B04L; B04-C01; B04-E02; B04-E03; B04-E05; B04-G01; B04-N02; B04-N06; B11-C07A; B11-C07B3; B11-C08E3; B11-C08E5; **B12-K04E; B12-K04F**; **D05-H09**; D05-H10; D05-H11; D05-H12; D05-H18B

UPTX: 20020730

TECH

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred Method: In (M1), the method further comprises washing the capture molecule:target molecule complex to remove unbound sample after step (a) and then washing the complex again to remove unbound detector molecule after step (b). The capture molecule is bound to a solid support or carrier during step (a) or (b) or in solution and is preferably a PCR tube. The capture molecule is an aptamer or a DNA labeled antibody. The capture molecule is labeled with biotin and is bound to a streptavidin or avidin labeled support. The method can quantitate the target molecule at a concentration of less than or equal to 10-12 grams/mL. The target molecule is an organic compound having a molecular weight of about 100 to 1000 g/mole. The target molecule is preferably a protein or protein fragment and is a cytokine selected from the group including growth **hormone**, insulin-like growth factors, human growth **hormone**, N-methionyl human growth **hormone**, bovine growth **hormone**, parathyroid **hormone**, thyroxine, insulin, proinsulin, relaxin, prorelaxin, glycoprotein, glycoprotein **hormones**, follicle stimulating **hormone** (FSH), thyroid stimulating **hormone** (TSH), leutinizing **hormone** (LH), hematopoietic growth factor, vesicular endothelial growth factor (VEGF), prolactin, tumor necrosis factor beta, vascular endothelial growth factor, integrin, interleukins, neurturin and kit-ligand. The sample is selected from the group consisting of blood, serum, sputum, urine, semen, cerebrospinal fluid, bronchial aspirate and organ tissue. The detectable non-primer probe comprises a nucleic acid having a fluorescent dye label. The fluorescent dye label comprises two dyes, a reporter dye and a quencher dye which fluoresce at different wavelengths. The method can detect the target molecule at a concentration of about  $1.0 \times 10^{-8}$  to about  $1.0 \times 10^{-15}$  g/mL. The nucleic acid detector

molecule is RNA and the RNA detector molecule is reverse transcribed to form DNA before or during amplifying step (c). The RNA detector molecule is reverse transcribed at a temperature sufficient to dissociate the detector molecule from the capture molecule:target molecule:detector molecule complex and reverse transcribe the RNA. The temperature is about 50 degrees Centigrade to 70 degrees Centigrade. The method comprises quantitating the PCR amplified nucleic acid group using real time PCR during PCR amplification in step (d).

ABEX

EXAMPLE - A 71 base DNA label was derived from DNA sequence of the woodchuck hepatitis N virus. DNA-antibody conjugation was achieved using the crosslinker Sulfo-SMCC (sulfosuccinimidyl 4-(N-maleimidomethyl)-cyclohexane-1-carboxylate) which reacts to the primary amines of the antibody. VEGF immuno-PCR was carried out by incubating 1 microgram/ml biotinylated monoclonal capture antibody and the sample in polystyrene Microwell plates for 2 hr at room temperature, followed by blocking and washing. Real-time PCR was then performed and then NTN colorimetric ELISA using Streptavidin-horse radish peroxidase (HRP).

L100 ANSWER 2 OF 10 WPIX (C) 2002 THOMSON DERWENT  
 AN 2002-405056 [43] WPIX  
 DNC C2002-113785  
 TI Identifying tumor characteristics in a tissue sample taken from a patient, involves determining the copy number or expression level of genes associated with lipid metabolism, synthesis or action.  
 DC B04 D16  
 IN CHAUDHARY, J; PATTON, J L; SKINNER, M K  
 PA (ATAI-N) ATAIRGIN TECHNOLOGIES INC  
 CYC 96  
 PI WO 2002027028 A1 20020404 (200243)\* EN 113p C12Q001-68 <--  
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ  
 NL OA PT SD SE SL SZ TR TZ UG ZW  
 W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK  
 DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
 KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU  
 SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 AU 2001094842 A 20020408 (200252) C12Q001-68 <--  
 ADT WO 2002027028 A1 WO 2001-US30366 20010927; AU 2001094842 A AU 2001-94842 20010927  
 FDT AU 2001094842 A Based on WO 200227028  
 PRAI US 2000-676052 20000928  
 IC ICM C12Q001-68  
 ICS C07H021-02; C07H021-04; C12N015-00  
 AB WO 200227028 A UPAB: 20020709  
 NOVELTY - Identifying tumor characteristics, comprising measuring a copy number or expression level of at least two genes associated with lipid metabolism, synthesis, or action in cells from a patient tissue sample, and comparing the results with a copy number or expression level of the genes in a normal cell, is new.  
 DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an array of nucleic acid polymers immobilized on a solid support, comprising a solid support, at least two different nucleic acid polymers which are each specific for a different gene associated with lipid metabolism, synthesis or action, where each nucleic acid polymer is located at a predetermined position on the solid support, and the array comprises nucleic acid polymers which are specific for less than 100 genes other than the selected genes.  
 USE - The method is useful for determining tumor characteristics in a tissue sample taken from a patient (claimed).  
 Dwg.0/2  
 FS CPI  
 FA AB; DCN  
 MC CPI: B04-E03B; B04-E03E; B04-E05; B11-C08E5; B11-C08E6; B11-C09;

B12-K04A1; B12-K04F; D05-H09; D05-H10; D05-H12A;  
D05-H12D1

TECH

UPTX: 20020709

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred Method: The genes associated with lipid metabolism, synthesis, or action are phosphatidylinositol-3-kinase (catalytic, alpha-polypeptide), phospholipase D1 (phosphatidylcholine specific), dihydroxyacetone phosphate acyltransferase, phosphate cytidyltransferase 1 (choline specific, alpha form), phosphate cytidyltransferase 2 (ethanolamine specific), sphingosine kinase, phosphatidic acid phosphatase type 2c, human lysophospholipase homolog, prostate differentiation factor PLAB, phospholipase A2, phospholipase C beta3 (phosphatidylinositol specific), phosphatidylinositol-3-kinase (class2, gamma-polypeptide), choline/ethanolamine phosphotransferase, lysophospholipase, aldehyde dehydrogenase (5 family member A1), phospholipase D1 glycosylphosphatidylinositol specific 1-acylglycerol-3-phosphate acyltransferase, phosphatidic acid phosphate type 2a, 2b, EDG1-EDG7, glycerol-3-phosphate dehydrogenase, sphingosine-1-phosphate lyase 1, phosphatase and tension homolog (PTEN), sphingomyelin phosphodiesterase 1, N-acylsphingosine amidohydrolase, glycerol kinase, diacylglycerol kinase gamma, glycerol-3-phosphate acyltransferase, triacylglycerol lipase, phosphatidylserine decarboxylase, CDP diacylglycerol inositol-3-phosphatidyltransferase, sphingosine kinase type 2, mitogen activator protein (MAP) kinase 1, LYPLA2, MAP kinase phosphatase like, lysophosphatidic acid (LPA) phosphatase, phospholipid scramblase 4, protein kinase B and lipid activated protein kinase, interleukin-6 (IL6), IL8, ROCK1, urokinase-type plasminogen activator (uPA), tPA, grol, vascular endothelial growth factor (VEGF) and heparin-binding epidermal growth factor (hbEGF).

The method further comprises measuring a copy number or expression of at least two lipid influenced genes in cells from a patient tissue sample and comparing the results with a copy number of genes in a normal cell, where the lipid influenced genes are ERK1, JNK1, actin B, leutinizing

**hormone (LH) receptor, follicle stimulating**

**hormone (FSH) receptor, LRP, SPARC, Ras inhibitor**

(RIN1), insulin-like growth factor (IGF) binding protein 4, SERPINA 8, TIMP1, PIP5K2B, secretory leukocyte protease inhibitor, FLJ20258, Id4, GNA14, SYK, MSP2K4, G protein coupled receptor 39, SIR2, prostate epithelium specific Ets transcription factor, cathepsin D, gonadotropin releasing **hormone (GnRH) receptor, profilin, CA 125, CDKN1A, RAB13, FCGRT, RPS9, LATS1, JunD, FGFR4, p66shc, Id3, human polo like kinase, MDM2, Hras, CTNNB1, CDKN1B, AKT2, MGMT, actin bundling protein, MMP7, MMP2, mesothelin, MUC5AC and MAS1.**

Copy number of the genes is determined by isolating sample nucleic acid polymers from cells of the patient tissue sample, hybridizing the sample nucleic acid polymers with nucleic acid polymers specific for the selected genes to quantify the extent of hybridization, and comparing the hybridization data obtained with data obtained from the hybridization of reference nucleic acid polymers isolated from a normal cell of the same tissue type as the patient tissue sample. The sample nucleic acid polymer is amplified in the isolating step. Hybridization of the sample nucleic acid polymers uses a nucleic acid polymer comprising at least 19 nucleotides to hybridize to a coding region of one of the selected genes, or to a non-coding sequence functionally linked to the coding region of one of the selected genes, where the non-coding functionally linked gene is unique to that gene. The nucleic acid polymers specific for the selected genes are immobilized on a solid support, and each polymer specific for each gene is located at a predetermined position on the solid support.

ABEX

EXAMPLE - cDNA-containing clones corresponding to particular genes was purchased from a commercial source. The cDNA sequence was directly isolated from a sufficient number of insert-containing plasmids and

amplified. After confirming the identity of each clone by restriction enzyme digestion, and/or sequencing, the cDNA was amplified with a combination of two standard primers. The amplified cDNA was then gel purified and resuspended in water for spotting onto the derivatized glass slide for the array. The probes were affixed to a glass slide using the aminosilane linkage chemistry described in Cheung, et al., Making and Reading Microarrays Nature Genetics Supp., 21:15-19 (1999). The probes were arrayed in an asymmetrical pattern. Approximately 10 ng of each probe DNA was deposited in spots 125 micrometers in diameter and 300 micrometers apart. Genomic DNA was extracted from 300 mg of sample tissue, and digested with restriction enzymes. The DNA was labeled with fluorescent dyes, radiolabels, or enzymes with either random priming, nick translation, or end labeling techniques. 40 microg of sample was then amplified by polymerase chain reaction (PCR) with a mixture of fluorescein labeled random hexamer primers using Taq polymerase. The amplified sample DNA was separated from the labeled primers. Purified sample DNA was then resuspended in 15 microliters of hybridization solution (50% formamide, 6XSSC (standard saline citrate), 0.5% sodium dodecyl sulfate (SDS), 5XDenhard's reagent). The microarray was pre-hybridized with hybridization solution for about 30 minutes. The sample DNA were denatured for 4 minutes at 80 degrees C in a hybridization oven. The amplified sample DNA in the hybridization solution was then applied to the microarray in a Corning CMT hybridization chamber, and then allowed to anneal at 42degreesC for 20 hours. After hybridization had been completed, the array slide was washed for 5 minutes in 0.1% SDS/0.2XSSC, and then 5 minutes with 0.2XSSC. The array was then loaded into an Affymetrix 418 Scanner (Affymetrix), and fluorescence of the hybridized sample DNA on the microarray was detected. The correlation between lipid-associated gene copy number and certain tumor characteristics was demonstrated by determining the copy number of lipid-associated genes utilizing a lipid-associated gene probe array. Tumor tissue samples from stage 1, 2, 3 and 4 tumors were assayed, as well as and those characterized as serous, mucinous, endometrioid, low stage and high stage. Tumors from various types of cancers, including ovarian, breast, cervical, and uterine were analyzed, while normal tissues of each type provided a control and a standard curve. This analysis demonstrated that specific tumor stages and characteristics correlated to increases or decreases in the copy number of certain lipid-associated genes.

L100 ANSWER 3 OF 10 WPIX (C) 2002 THOMSON DERWENT

AN 2002-062388 [08] WPIX

DNC C2002-017852

TI Identifying modulator of **follicle stimulating hormone (FSH)** or **FSH-mimetic (FF)**-influenced cellular process, comprises identifying agent modulating **FF-stimulated** gene expression level or activity of product encoded by the genes.

DC B04 D16

IN **WONG, G**

PA (ISTF) ARS APPLIED RES SYSTEMS HOLDING NV

CYC 96

PI WO 2001088193 A2 20011122 (200208)\* EN 51p C12Q001-68 <--

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ  
NL OA PT SD SE SL SZ TR TZ UG ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK  
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

AU 2001061504 A 20011126 (200222) C12Q001-68 <--

ADT WO 2001088193 A2 WO 2001-US15378 20010511; AU 2001061504 A AU 2001-61504  
20010511

FDT AU 2001061504 A Based on WO 200188193

PRAI US 2000-203805P 20000512

IC ICM C12Q001-68



AB WO 200188193 A UPAB: 20020204

NOVELTY - Identifying an agent (A) which modulates **follicle stimulating hormone (FSH)** or **FSH-mimetic (FF)**-influenced cellular process or response comprising determining the level of expression of **FF stimulated** genes (I) or activity of **FF stimulated** gene products (II) in the presence and absence of a selected agent and identifying the agent that modulates **FF** influenced cellular process or response, is new.

DETAILED DESCRIPTION - Identifying (M1) an agent (A) comprising:  
(a) exposing a cell sample to **FF** or providing a sample of cells, determining (I) in the presence and absence of a selected agent and identifying that the agent modulates **FF** influenced cellular process or response when (I) in the presence of the agent differs from the expression in the absence of agent; or

(b) exposing a cell sample to **FF** or providing a sample of cells, determining (II) in the presence and absence of a selected agent and identifying that the agent modulates **FF** influenced cellular process or response when (II) in the presence of the agent differs from the expression in the absence of agent, is new.

INDEPENDENT CLAIMS are also included for the following:

(1) detecting or monitoring a cellular process or response that is influenced by **FF** comprising obtaining a cell sample from a patient, determining (I) or (II) and identifying that the cells are undergoing a cellular process or response that is influenced by **FF** when (I) or (II) is increased relative to the expression in a control sample;

(2) assessing whether cells will be responsive to (A) comprising exposing a sample of cells obtained from a patient to a test agent, determining the level of expression of one or more (I) or activity of (II) in the sample exposed to the agent and in a sample of cells that is not exposed to the agent, and determining that the cells will be responsive to an agent when the level of expression of one or more (I) or activity of (II) is altered in the presence of the agent;

(3) modulating **FF**-influenced cellular process or response by administering a compound which alters the expression or activity of (I); and

(4) treating a reproductive disorder or disease in a mammal by administering **FF** which alters expression of (I).

ACTIVITY - Gynecological.

MECHANISM OF ACTION - **FSH** or **FSH-mimetic stimulated** gene expression or activity modulator; gene therapy. No supporting data is given.

USE - Identifying an agent which modulates of **FF**-influenced cellular process or response, detecting or monitoring cellular process or response that is influenced by **FF**, and assessing whether cells will be responsive to an agent (claimed). Compounds identified by the above mentioned methods are useful for treating a reproductive disorder/disease, for modulating target gene expression synthesis and/or activity and for elaborating the biological function of the target gene product and for modulating steroidogenesis or gametogenesis.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: B04-E03C; B04-E03F; B04-E05; B04-F01; B04-G01; B04-G02;  
B04-J05H; B04-N02; B11-C07A; B11-C08E5; B12-K04A;  
B12-K04E; B12-K04F; B14-P01; B14-S03;  
D05-H09; D05-H11; D05-H12A; D05-H12D1

TECH UPTX: 20020204

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred Method: **FF**-influenced cellular process or response is altered by administering (I) or (II).

ABEX

WIDER DISCLOSURE - The following are disclosed:

(1) **FSH** or **FSH-mimetic** stimulated genes which are expressed at a relatively high level in **FSH** or **FSH-mimetic** treated Y1 cells and which are



not expressed (or are expressed) at a relatively low level in otherwise identical untreated cells, where the identified FF-stimulated genes and their products can be used:

- (a) as therapeutic agents which modulate a cellular process or response that is influenced by FF;
  - (b) as targets for use in high throughput screening and the development of therapeutic agents which modulate a cellular process or response that is influenced by FF; and
  - (c) as markers which can be used to detect and monitor a cellular process or response that is influenced by FF;
- (2) determining whether a treatment should be continued in a patient by obtaining first sample of tissue from a patient undergoing therapy at a first time and obtaining a second sample of cells from the patient at a subsequent point of time, determining level of expression of (I) in the first and second cell samples and discontinuing treatment when the expression of (I) is lowered in the second sample of cells than in the first sample of cells;
- (3) kits comprising containers which comprise reagents for detecting two or more (I), where the reagents included in the kit are probes/primers and/or antibodies for detecting FF-stimulated gene expression; and
- (4) assays to identify compounds that bind to (II), compounds that bind to other cellular proteins that interact with (II) and compounds that interfere with the interaction of (II) with other cellular proteins.

ADMINISTRATION - The modulator compounds are administered by inhalation or insufflation, by oral, buccal, parenteral, or rectal route. No specific clinical dosages are given.

EXAMPLE - A mouse cDNA array from Incyte, Inc. was used to analyze the expression profile of Y-1 (American Type Culture Collection Accession No. CCL 79) cells. This transcriptional profile analysis led to the identification of the follicle stimulating hormone (FSH) or FSH mimetic stimulated genes. Y1 cells were incubated with Ham's F-10 Nutrient Mixture Media supplemented with glutamine G418 geneticin, penicillin-streptomycin, fetal horse serum, and fetal bovine serum and grown to confluency. Confluent cells were then exposed to FSH at 10 to the power of -9 M or FSH Mimetic 024 at 1 micro M, Forskolin at 1 micro M and all three agents for 16 hours. Total RNA was isolated from control or treated cells. The GEM (gene expression microarray) technology was employed which uses the following steps to discover differences in gene expression between two mRNA samples. Small samples of cDNA were deposited on a glass surface and bonded to the glass. Subsequently, large portions from one half of the DNA's double strands were removed in order to activate the individual elements of the array, preparing them to react and bind to their uniquely matched DNA counterparts in the cells being tested. Two mRNA samples were prepared and color labeled. mRNA was extracted from the normal or unaffected sample, and a fluorescent labeled cDNA probe was generated. The probe represented all of the genes expressed in the reference sample. Next, the mRNA was extracted from another sample. The two fluorescent probe samples were simultaneously applied to a single microarray, where they competitively react with the arrayed cDNA molecules. Following incubation, the microarray was rinsed, washing off those probe molecules that did not find their cDNA counterpart. Each element of the GEM microarray was scanned for the first fluorescent color. The intensity of the fluorescence at each array element was proportional to the expression level of that gene in the sample. The scanning operation was repeated for the second fluorescent label. The ratio of the two fluorescent intensities provided a quantitative measurement of the relative gene expression level in the two cell samples. If a microarray element showed no color, it indicated that the gene in that element was not expressed in either cell sample. If an element showed a single color, it indicated that a labeled gene was expressed only in that cell sample. The appearance of both colors indicated that the gene was expressed in both cell samples. The genes

identified on the GEM array that were not more highly expressed in Y-1 treated cells than control cells are as given in specification.

L100 ANSWER 4 OF 10 WPIX (C) 2002 THOMSON DERWENT

AN 2002-049533 [06] WPIX

DNN N2002-036590 DNC C2002-014019

TI New polynucleotide, useful for treating Alzheimer's disease, Parkinson's disease, Huntington's chorea, diabetes and tumors, comprises isolated polynucleotide encoding human **follicle stimulating hormone-like G-protein coupled receptor**.

DC B04 D16 S03

IN RAMAKRISHNAN, S

PA (FARB) BAYER AG

CYC 94

PI WO 2001088127 A2 20011122 (200206)\* EN 98p C12N015-12

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ  
NL OA PT SD SE SL SZ TR TZ UG ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM  
DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

AU 2001069014 A 20011126 (200222) C12N015-12

ADT WO 2001088127 A2 WO 2001-EP5613 20010517; AU 2001069014 A AU 2001-69014 20010517

FDT AU 2001069014 A Based on WO 200188127

PRAI US 2000-205057P 20000518

IC ICM C12N015-12

ICS A61K039-395; A61K048-00; C07K014-72; C12N005-10; C12N015-62;  
**C12Q001-68**; G01N033-50; G01N033-53

AB WO 200188127 A UPAB: 20020128

NOVELTY - An isolated polynucleotide (I) encoding a human **follicle stimulating hormone-like G-protein coupled receptor (FSH-like GPCR)** polypeptide, is new.

DETAILED DESCRIPTION - Isolated polynucleotide encoding a **FSH-like GPCR** polypeptide, is selected from the following:

- (i) a polynucleotide encoding a fully defined sequence of 191 (S1) amino acids, as given in the specification, or an amino acid sequence at least 50% identical to (S1);
- (ii) a polynucleotide comprising a fully defined sequence comprising 575 (S2) base pairs, as given in the specification;
- (iii) a polynucleotide which hybridizes under stringent conditions to (S2);
- (iv) a polynucleotide the sequence of which deviates from the above mentioned polynucleotides due to the degeneration of the genetic code, and a fragment, derivative or allelic variant of the above mentioned polynucleotides.

INDEPENDENT CLAIMS are also included for the following:

- (1) an expression vector (II) containing (I);
- (2) a host cell (III) containing (II);
- (3) a substantially purified **FSH-like GPCR** polypeptide (IV) encoded by (I);
- (4) production of (I);
- (5) detecting (M1) (I) in a biological sample, comprising:
  - (i) hybridizing (I) to a nucleic acid material of a biological sample, to form a hybridization complex; and
  - (ii) detecting the hybridization complex;
- (6) detecting (M2) (I) or (IV), comprising contacting a biological sample with a reagent which specifically interacts with (I) or (IV);
- (7) a diagnostic kit (V) for conducting M1 or M2;
- (8) screening (M3) for agents which decrease the activity of **FSH-like GPCR**, comprising:
  - (i) contacting a test compound with (I) or (IV); and
  - (ii) detecting binding of the test compound to (I) or (IV), where a

test compound which binds to (I) or (IV) is identified as a potential therapeutic agent for decreasing the activity of the **FSH**-like GPCR;

- (9) screening (M4) for agents which regulate the activity of human **FSH**-like GPCR comprising:
  - (i) contacting a test compound with (IV);
  - (ii) detecting **FSH**-like GPCR activity of (IV);
  - (iii) contacting a test compound with a polypeptide comprising (S2) or a sequence 50% identical to (S2); and
  - (iv) detecting binding of the test compound to the polypeptide, where the test compound which binds to polypeptide is identified as a potential agent for regulating or modulating the activity of (IV);
- (10) reducing (M5) the activity of **FSH**-like GPCR;
- (11) a reagent (VI) that modulates the activity of (IV) or (I), which is identified by (M3) or (M4);
- (12) a pharmaceutical composition (VII), comprising (II) or (VI);
- (13) a fusion protein (VIII) comprising (IV);
- (14) detecting (M6) a coding sequence for (IV), comprising hybridizing a polynucleotide comprising 11 contiguous nucleotides of (S1) to a nucleic acid material of a biological sample, to form a hybridization complex and detecting the hybridization complex;
- (15) detecting (M7) (IV), comprising:
  - (i) contacting a biological sample with a reagent that specifically binds to (IV) to form a reagent-polypeptide complex; and
  - (ii) detecting the reagent-polypeptide complex;
- (16) a kit (IX) for detecting a coding sequence for (IV) comprises a polynucleotide comprising 11 contiguous nucleotides of S1, and instructions for M6;
- (17) a kit (X) for detecting (IV) comprises an antibody which specifically binds to (IV) and instructions for M7;
- (18) reducing (M8) activity of (V), comprising contacting a cell with a reagent which specifically binds to a product encoded by a polynucleotide comprising S1, where the activity of **FSH**-like GPCR is reduced; and
- (19) a pharmaceutical composition (XI) comprising a reagent which specifically binds to (IV) or to a product of a polynucleotide comprising S1, or an expression vector encoding (IV).

ACTIVITY - Cytostatic; antidiabetic; osteopathic; antimigraine; nootropic; neuroprotective; antiparkinsonian; antitumor, antiasthmatic; antiulcer; antiallergic; antigout; cerebroprotective; antiinfertility; contraceptive; anorectic; antianginal; tranquilizer; hypotensive; antidepressant; neuroleptic; antiemetic; anticonvulsant; cardiant; analgesic; depilatory. No biological data was provided.

MECHANISM OF ACTION - Modulator of (I) or (IV) (claimed); gene therapy. No biological data was provided.

USE - (VI) which inhibits a function of (IV), is useful for treating urinary incontinence or benign prostatic hypertrophy, by administering (VI) that inhibits a function of (IV), where symptoms of urinary incontinence or benign prostatic hypertrophy are ameliorated. (VI) is useful for treating a **FSH**-like GPCR disorder such as obesity, diseases related to obesity, cancer, diabetes, osteoporosis, anxiety, depression, hypertension, migraine, compulsive disorder, schizophrenia, autism, neurodegenerative disorder and cancer chemotherapy-induced vomiting. (VII) is useful for modulating the activity of **FSH**-like GPCR in the above mentioned diseases (claimed). (I) is useful in diagnostic assays for detecting diseases and abnormalities or susceptibility to diseases and abnormalities related to the presence of mutations in (I). (I) or (IV) is useful for treating neurodegenerative disorders such as Alzheimer's disease, Parkinson's disease, Huntington's chorea, diabetes, tumor, and in contraceptive applications. (IV) is useful to identify test compounds which may act as agonists or antagonists at the receptor site, for raising antibodies which can block the receptor and effectively prevent ligand binding, and as a bait protein in a two-hybrid or three-hybrid assay. (VI)

is useful for treating asthma, acute heart failure, urinary retention, angina pectoris, myocardial infarction, ulcer, allergy, asthma, neurological disorder such as depression, delirium, dementia, dyskinesias such as Huntington's disease or Tourette's syndrome, bulimia, anorexia, cardiovascular ailments, sleep and eating disorders, pain control, disorders involving regulation of body temperature and blood pressure, gout, stroke, reduced fertility, complications of pregnancy, menstrual irregularities, hirsutism, and stress incontinence. (VIII) is useful for generating antibodies against (IV) and in various assay systems.

Dwg.0/4

FS CPI EPI

FA AB; DCN

MC CPI: B04-E03D; B04-E08; B04-F0100E; B04-K01P0E; B04-N0200E; B11-C08E4; B11-C08E5; **B12-K04E**; **B12-K04F**; B14-C01; B14-E05; B14-E12; B14-F02B; B14-H01B; B14-J01A1; B14-J01A4; B14-J01B3; B14-J01B4; B14-L01; B14-L06; B14-N01; B14-N07A; B14-N07D; **B14-S03**; B14-S04; D05-C07; D05-C11; **D05-H09**; D05-H12A; **D05-H12D1**; D05-H12E; D05-H14B2; D05-H17A4; D05-H17C

EPI: S03-E14H; S03-E14H4

TECH UPTX: 20020128

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preparation: (IV) is prepared by culturing (III) under conditions suitable for the expression of (IV), and recovering (IV) from the culture or isolating (IV). Preferred Polynucleotide: (I) is a cDNA. Preferred Method: In M1 or M6, before hybridization, the nucleic acid material is amplified. In M4, the contacting step takes place in a cell which is in vitro, or in a cell-free system. The polypeptide or the test compound comprises a detectable label. The test compound displaces a detectable label or a labeled ligand which is bound to the polypeptide. The polypeptide or the test compound is bound to a solid support. The activity of the polypeptide is cyclic AMP formation, mobilization of intracellular calcium or phosphoinositide metabolism. The product encoded by a polypeptide which comprises S1 is a polypeptide or RNA. In M7, the reagent is an antibody. In M8, the product is a polypeptide or RNA. The reagent is an antisense oligonucleotide, ribozyme or an antibody. The cell is in vitro. Preferred Composition: In (X), the reagent is an antibody, ribozyme or an antisense oligonucleotide.

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - (IV) may also be prepared by standard chemical techniques.

ABEX

SPECIFIC SEQUENCES - (I) has a sequence comprising 575 base pairs fully defined in the specification. (IV) has a sequence comprising 191 amino acids fully defined in the specification (claimed).

ADMINISTRATION - Administration is oral, intravenous, intramuscular, intra-arterial, intramedullary, intrathecal, intraventricular, transdermal, subcutaneous, intraperitoneal, intranasal, parenteral, topical, sublingual, or rectal. Dosage is 0.1-100000µg, to 1g.

EXAMPLE - The polynucleotide comprising a sequence of 575 base pairs fully defined in the specification was inserted into the expression vector pCEV4 and the expression vector pCEV4-FSH-like GPCR polypeptide obtained was transfected into human embryonic kidney (HEK) 293 cells. The cells were scraped from a culture flask into 5 ml of Tris HCl, 5 mM ethylenediaminetetraacetic acid (EDTA), pH 7.5, and lysed by sonication. Cell lysates were centrifuged. The supernatant was centrifuged, and the pellet was suspended in a binding buffer. Optimal membrane suspension dilutions, defined as the protein concentration required to bind less than 10% of an added radioligand, i.e., 125I-labeled norepinephrine, were added to 96-well polypropylene microtiter plates containing ligand, non-labeled peptides, and binding buffer to a final volume of 250 µl. Binding reaction mixtures were incubated for one hour at 30 degrees Centigrade.

The reaction was stopped by filtration through GF/B filters treated with 0.5% polyethyleneimine, using a cell harvester. Radioactivity was measured by scintillation counting, and data were analyzed by a computerized non-linear regression program. Non-specific binding was defined as the amount of radioactivity remaining after incubation of membrane protein in the presence of 100 nM of unlabeled peptide. Protein concentration was measured by the Bradford method using Bio-Rad reagent, with bovine serum albumin as a standard. The FSH-like GPCR activity of the polypeptide comprising a sequence of 191 amino acids fully defined in the specification, was demonstrated.

L100 ANSWER 5 OF 10 WPIX (C) 2002 THOMSON DERWENT  
 AN 2001-398165 [42] WPIX  
 DNC C2001-121133  
 TI Determining dosage of **follicle-stimulating hormone (FSH)** for the treatment of infertility of women, comprises determining a **FSH** receptor variant of a woman to be treated, by restriction fragment length polymorphism.  
 DC B04 D16  
 IN BEHRE, H M; GROMOLL, J; NIESCHLAG, E; PEREZ, M; SIMONI, M; BEHRE, M H  
 PA (GROM-I) GROMOLL J  
 CYC 30  
 PI WO 2001044502 A2 20010621 (200142)\* EN 27p C12Q001-68 <--  
 RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
 W: AU CA JP US  
 EP 1108791 A1 20010620 (200142) EN C12Q001-68 <--  
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI  
 AU 2001031601 A 20010625 (200162) C12Q001-68 <--  
 ADT WO 2001044502 A2 WO 2000-EP12886 20001218; EP 1108791 A1 EP 1999-125148 19991216; AU 2001031601 A AU 2001-31601 20001218  
 FDT AU 2001031601 A Based on WO 200144502  
 PRAI US 2000-185670P 20000229; EP 1999-125148 19991216  
 IC ICM C12Q001-68  
 AB WO 200144502 A UPAB: 20010726  
 NOVELTY - Determining the dosage of **follicle-stimulating hormone (FSH)** in the treatment of infertility of women, comprises determining the **FSH** receptor variant of the woman to be treated.  
 DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:  
 (1) treating infertility in women by determining the **FSH** receptor variant in the woman to be treated;  
 (2) a kit for performing the determination of the **FSH** receptor variant in a woman; and  
 (3) a **FSH** preparation comprising a specific amount of **FSH** which is suitable as a daily dosage for high, intermediate or low dosage **FSH** treatment.  
 ACTIVITY - Antiinfertility. No supporting data is given.  
 MECHANISM OF ACTION - Ovulation controller.  
 USE - The method is useful for determining the dosage of **FSH** in the treatment of infertility in women (claimed).  
 Dwg.0/6  
 FS CPI  
 FA AB; DCN  
 MC CPI: B04-B04D5; B04-E03D; B04-E05; B04-J05H; B04-K01; B04-L04; B04-L05A; B11-C08E3; B11-C08E4; B11-C08E5; B12-K04E; B12-K04F; B14-P02; D05-H09  
 TECH UPTX: 20010726  
 TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Method: After determining **FSH** receptor variant, a suitable amount of **FSH** is administered to the woman.

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred Method: Determining the FSH receptor variant involves:

- (a) isolating genomic DNA from a blood sample of the woman to be treated; and
- (b) determining whether the isolated DNA codes for the FSH-receptor variant Ala 307/Ser 680 or Thr 307/Asn 680 by:
  - (i) digesting the amplified DNA with a restriction enzyme which digests only the DNA of one of the FSH receptor variant; and
  - (ii) determining the FSH-receptor variant by restriction fragment length-polymorphism.

The length of primers is 12-30, preferably 17-25 nucleotides and the distance to the nucleotides coding for the amino acid in positions 307 or 680 are 20-1500 base pairs (bp), preferably 100-1000 bp. The primers are flanking the DNA sequence of the amino acid in position 680 of FSH receptor protein. The restriction enzyme is BsrI. The pair of primers comprise an upstream primer chosen from: GCTATACTGGATCTGAGATG, TTGACATGACGTACACTGAG, CTGATCTCTGCATTGGAATC, AGCTGGACTGCAAGGTGCAG, CCTTGTGCTCAATGTCCTGG, CCATTTCTGCCTCCCTCAAG, GAGCAAGTGTGGCTGCTATG, and a reverse primer chosen from: ACCACTTCATTGCATAAGTC, CAACTGATGCAATGAGCAGC, ATCCAGCCCATCACCATGAC, GGTTCCGCACTGTGAGGTAG, GCTTTGGACACAGTGATGAG, TGGATGGGTGTTGTGGACAG and TGTAGAAGCACTGTCAGCTC.

Preferred Kit: The kit comprises the above pair of primers, Taq polymerase and a restriction enzyme.

ABEX

SPECIFIC OLIGONUCLEOTIDES - The pair of primers used for determining FSH-receptor variant are CCTTGTGCTCAATGTCCTGG and TGTAGAAGCACTGTCAGCTC (claimed).

ADMINISTRATION - FSH is preferably administered subcutaneously. Women bearing the homozygous FSH receptor variant Ala307/Ser680 may be given a high dosage of FSH, about 42-48 ampules FSH within a treatment period of 14 days, which corresponds to a daily dosage of greater than 225, preferably 230-250 international units (IU) FSH and women bearing the homozygous FSH receptor variant Thr307/Asn680 may be given a low dosage of FSH, about 30-35 ampules FSH/14 days, which corresponds to a daily dosage of 150 +/- 20 IU FSH. Women with a heterozygous state may be given an intermediate dosage of FSH, about 36-41 ampules/day which corresponds to a daily dosage of 200 +/- 20 IU FSH.

EXAMPLE - Follicle-stimulating hormone (FSH) receptor variant (Asn680Ser) was determined by restriction fragment length polymorphism. Polymerase chain reaction (PCR) amplification was carried out with primers: CCTTGTGCTCAATGTCCTGG and TGTAGAAGCACTGTCAGCTC, thermo-buffer 10x (5 microliters), magnesium chloride (3 microliters), dNTP-solution (2.5 microliters), each primer (1 microliter), Taq DNA polymerase (0.5 microliters) and DNA (1 microliter). The PCR product was checked on 2 % TAE agarose gel. The size of the desired band was 580 kbp. A phenol-chloroform cleaning was performed and the resulting DNA was precipitated with ammonium acetate and absolute ethanol, washed with 70 % ethanol and air-dried. For digestion, 2 microliters buffer NEB 3 10x and 1 microliter BsrI which has a restriction site for TGACC, were added to the sample and the resulting mixture was digested for 1.5 hours at 65 degrees Centigrade. If the FSH receptor contained the amino acid serine at position 680 of the 5th transmembrane domain, the PCR product was cut by BsrI into two bands (443 and 136 bp). The enzyme did not digest the PCR product if the amino acid at position 680 was asparagine. The single band on the gel had a size of 579 bp. The results showed a band size of 579 bp for asparagine, homozygous samples, two band sizes 443 and 136 bp for serine, homozygous and three band sizes 579, 443 and 136 bp for asparagine/serine heterozygous. Women were screened for FSH receptor variant before starting FSH treatment. Only women with a homozygous FSH receptor variant at position 680 were included in the study and were randomized to receive a predetermined fixed dosage of FSH. The preliminary results based on 32 cycles, confirmed that the Ser 680 variant was less

sensitive to FSH stimulation and more FSH was necessary to induce the degree of stimulation observed in women with the Asn 680 variant. These results indicated that analysis of the FSH receptor variant was useful for determining FSH dosage.

L100 ANSWER 6 OF 10 WPIX (C) 2002 THOMSON DERWENT

AN 2000-351197 [31] WPIX

DNC C2001-180687

TI Screening pigs to determine those more likely to produce larger litters comprises determining presence of **follicle stimulating hormone** beta subunit allele associated with a DNA marker in the genome.

DC B04 C06 D16

IN LI, N; WU, C; ZHAO, Y

PA (PICI-N) PIC INT GROUP PLC; (PIGI-N) PIG IMPROVEMENT CO UK LTD

CYC 2

PI CN 1238388 A 19991215 (200031)\* C12Q001-68 <--

US 6291174 B1 20010918 (200170)B 8p C12Q001-68 <--

ADT CN 1238388 A CN 1998-115286 19980610; US 6291174 B1 Provisional US 1998-88963P 19980610, US 1999-329796 19990610

PRAI CN 1998-115286 19980610; US 1999-329796 19990610

IC ICM C12Q001-68

ICS C07H021-04; C12P019-34

AB US 6291174 B UPAB: 20011129 ABEQ treated as Basic

NOVELTY - Screening pigs to determine those most likely to produce larger litters, comprising determining which **follicle stimulating hormone (FSH)** beta -subunit allele(s) is/are present in genome of pigs by determining presence of one allele associated with a DNA marker, especially a retroposon linked directly or indirectly to **FSH** beta -subunit gene, indicative of producing larger litter, is new.

USE - The method is useful for screening pigs to determine those more likely to produce larger litters.

Dwg.0/0

AB CN 1238388 A UPAB: 20011203

NOVELTY - Screening pigs to determine those most likely to produce larger litters, comprising determining which **follicle stimulating hormone (FSH)** beta -subunit allele(s) is/are present in genome of pigs by determining presence of one allele associated with a DNA marker, especially a retroposon linked directly or indirectly to **FSH** beta -subunit gene, indicative of producing larger litter, is new.

USE - The method is useful for screening pigs to determine those more likely to produce larger litters.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: B04-E01; B04-E05; B11-C08E5; B12-K04E; C04-E01; C04-E05;

C11-C08E5; C12-K04E; D05-H09; D05-H12

ABEQ US 6291174 B UPAB: 20011129

NOVELTY - Screening pigs to determine those most likely to produce larger litters, comprising determining which **follicle stimulating hormone (FSH)** beta -subunit allele(s) is/are present in genome of pigs by determining presence of one allele associated with a DNA marker, especially a retroposon linked directly or indirectly to **FSH** beta -subunit gene, indicative of producing larger litter, is new.

USE - The method is useful for screening pigs to determine those more likely to produce larger litters.

Dwg.0/0

TECH UPTX: 20011129

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred Method: The method is carried out by obtaining a sample of pig nucleic acid and analyzing the nucleic

acid to determine which **FSH** beta subunit allele(s) is/are present. The retroposon is located at the border of Intron I and Exon II of the **FSH** beta subunit gene, and has a sequence of 291 bp defined in the specification. Genomic DNA from the pig is hybridized with one or more suitable primers, PCR cycles are carried out using the hybridized nucleic form and the length of PCR product obtained is analyzed.

ABEX

WIDER DISCLOSURE - A kit for carrying out the above method is also disclosed.

EXAMPLE - Blood was collected from porcine vena cava anterior. Genomic DNA was isolated, digested with BamHI and transferred to Nylon membrane. Hybridization was carried out using digoxigenin labeled follicle stimulating hormone (FSH) beta subunit cDNA probe. 100 ng of genomic DNA was used as template for polymerase chain reaction (PCR). PCR was carried out using the primers 5'-CCTTTAAGACAGTCAATGC-3' and 5'-ACTGGTCTATTTCATCCTCTC-3' and the PCR product was cloned into pGEM-3Zf(+). Animals were genotyped according to PCR polymorphism. Three genotypes AA, AB, BB represented each for animals with 0.5 kb PCR band, 0.5kb, 0.2 kb bands, and 0.2 kb PCR band. A PCR length polymorphism of FSH beta structural gene caused by an insertion containing 292 bases with a polyA was already discovered. Litter size records of 289 sows of Landrace, Yorkshire were collected and used to estimate the gene effect on reproduction. Statistical data suggested that the BB homozygote females produced on average 2.53 piglets more than did AA shows for total number born (TNB) of the first parity and 2.12 for number born alive. 1.5 more piglets per litter were produced by BB sows than AA females. No negative effect was concluded for BB sows on body weight at birth and 20 days of piglets. Thus FSH beta gene was associated with major gene of reproduction in these populations.

L100 ANSWER 7 OF 10 WPIX (C) 2002 THOMSON DERWENT

AN 2000-195103 [17] WPIX

DNN N2000-144379 DNC C2000-060433

TI New human and murine mahogany genes, useful, e.g. for diagnosis and treatment of body weight disorders.

DC B04 D16 S03

IN MOORE, K; NAGLE, D L

PA (MILL-N) MILLENIUM PHARM INC; (MILL-N) MILLENNIUM PHARM INC; (MOOR-I) MOORE K; (NAGL-I) NAGLE D L

CYC 87

PI WO 2000005373 A2 20000203 (200017)\* EN 187p C12N015-12

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
OA PT SD SE SL SZ UG ZW

W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG UZ VN YU ZA ZW

AU 9951183 A 20000214 (200029) C12N015-12

EP 1098977 A2 20010516 (200128) EN C12N015-12

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
RO SE SI

US 6274339 B1 20010814 (200148) A01K067-027

US 2002150973 A1 20021017 (200270) C12N009-00

ADT WO 2000005373 A2 WO 1999-US16484 19990721; AU 9951183 A AU 1999-51183  
19990721; EP 1098977 A2 EP 1999-935776 19990721, WO 1999-US16484 19990721;  
US 6274339 B1 US 1999-245041 19990205; US 2002150973 A1 Provisional US  
1998-93630P 19980721, Provisional US 1998-104978P 19981020, Div ex US  
1999-245041 19990205, US 2001-893238 20010627

FDT AU 9951183 A Based on WO 200005373; EP 1098977 A2 Based on WO 200005373;  
US 2002150973 A1 Div ex US 6274339

PRAI US 1999-245041 19990205; US 1998-93630P 19980721; US 1998-104978P  
19981020; US 2001-893238 20010627



IC ICM A01K067-027; C12N009-00; C12N015-12  
ICS A61K038-17; A61K038-22; C07H021-04; **C07K014-59**;  
C07K014-705; C07K016-26; C07K016-28; C12N005-06; C12N015-16;  
C12P021-02; **C12Q001-68**; G01N033-68

AB WO 200005373 A UPAB: 20000405

NOVELTY - human and murine mahogany genes new.

DETAILED DESCRIPTION - Isolated nucleic acid sequences (I) are of about 9.4, (S1), 2.4, (S2), 1.1 (S3), 6.3, (S4), 6.6, (S5), 3 (S6) or 1.9 (S7) kilobases.

INDEPENDENT CLAIMS are also included for the following:

(a) isolated nucleic acid (Ia) that hybridizes to the complements of (I) under stringent conditions;

(b) vector containing (I) or (Ia);

(c) host cell expressing (I) or (Ia);

(d) production of a mammalian mahogany (mg) gene product (II) by culturing cells of (c);

(e) isolated (II) encoded by (I);

(f) antibodies (Ab) that bind specifically to (II);

(g) method for diagnosis of body weight disorders in mammals by:

(i) comparing mg expression relative to controls;

(ii) detection a mutation in the mg gene, or

(iii) comparing mg activity relative to a control;

(h) method for identifying compounds (A) that modulate mg activity,

and

(i) pharmaceutical composition containing (A).

ACTIVITY - Anti-obesity; anti-anorexic; anti-cachexic.

MECHANISM OF ACTION - None given.

USE - (I) are used:

(i) to produce recombinant mahogany (mg) proteins (II);

(ii) as source of antisense, ribozyme or triplex-forming therapeutics;

(iii) as source of diagnostic probes and primers for detecting expression of mg genes or mutations, regulatory defects, in this gene, or for isolation of related sequences, and

(iv) in (cell-based) gene therapy.

(II) are used to raise specific antibodies (Ab); to identify other (extra)cellular products involved in weight regulation, and to screen for agents that disrupt interaction between (II) and other macromolecules. Ab are used to detect abnormal levels (or function) of (II) (for diagnosis, prognosis or monitoring of treatment); to evaluate (II)-expressing cells intended for cell therapy, and as therapeutic mg inhibitors. Cells that express the mg gene (or contain the mg polypeptide) are used to identify agents (A) that modulate mg activity. (A) are potentially useful for treatment of body weight disorders, particularly obesity, cachexia or anorexia, or (not claimed) other conditions associated with the mg gene such as hyperpigmentation, hyperphagia and disorders that result in increased metabolic rate.

ADVANTAGE - None given.

Dwg.0/20

FS CPI EPI

FA AB; DCN

MC CPI: B04-E03; B04-E05; B04-E08; B04-F0100E; B04-G01; B04-N02A0E;  
B04-P0100E; B12-K04A; **B12-K04E**; B14-E11; B14-E12; B14-J05;  
**B14-S03**; **D05-H09**; D05-H11; D05-H12A;  
**D05-H12D1**; **D05-H12D2**; **D05-H12D3**;  
**D05-H12D4**; D05-H12E; D05-H14; D05-H16A; D05-H17A6

EPI: S03-E14H

TECH

UPTX: 20000405

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred Nucleic Acid: (S1) is the cDNA corresponding to wild-type murine (C57BL/6J) mahogany (mg) gene; (S2) and (S3) are partial cDNAs derived from different 5'-start sites in the murine sequence (clones akm 1003 and 1004, respectively); (S4) is the sequence of a contig containing part of the human mahogany (MG) gene cDNA;

(S5-(S7) are cDNAs representing different splice variants of MG. Preferred Proteins: The specification includes the sequence of (II) deduced from the specified nucleic acids. Fragments, mutants and fusion proteins of (II) are included.

Preparation: The mg gene locus was mapped to a 0.99 cM (about 700 kb) region of murine chromosome 2 (by breeding and selection for the mg phenotype) and clones spanning this region sequenced to identify many new sequences. One of the open reading frames was identified which contained a mutation in mg mice. Two splice variants at the 5'-end of the gene product (clones akm 1003 and 1004) were identified. The three human sequences were identified by analyzing libraries of human cDNA for sequences similar to the murine DNA. Once isolated, (I) can be expressed in usual vector/host cell systems.

TECHNOLOGY FOCUS - BIOLOGY - Preferred Process: To identify (A), the test compound is applied to a cell that expresses mg, and any change in expression measured. Alternatively, the cell contains the mg protein and any change in level or activity of the protein is detected. Similar assays may be performed in vitro.

Preparation: Ab are produced by standard methods of immunization and cell fusion, and may be converted to fragments conventionally.

ABEX

WIDER DISCLOSURE - Also disclosed are:

- (1) agonists and antagonists of the mg gene and/or its product, and
- (2) transgenic animals with altered mg gene expression, useful for identifying (A).

ADMINISTRATION - Modulators of mg are administered by injection or inhalation, orally, rectally. No dose is suggested.

L100 ANSWER 8 OF 10 WPIX (C) 2002 THOMSON DERWENT  
 AN 2000-052968 [04] WPIX  
 DNC C2000-013700  
 TI Novel DNA construct used to produce recombinant cells useful for in vitro protein production and gene therapy.  
 DC B04 C06 D16  
 IN HEARTLEIN, M W; SELDEN, R F; TRECO, D A  
 PA (TRAN-N) TRANSKARYOTIC THERAPIES INC; (HEAR-I) HEARTLEIN M W; (SELD-I) SELDEN R F; (TREC-I) TRECO D A  
 CYC 85  
 PI WO 9957263 A1 19991111 (200004)\* EN 70p C12N015-09  
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
 OA PT SD SE SL SZ UG ZW  
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE  
 GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
 MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
 UG US UZ VN YU ZA ZW  
 AU 9938817 A 19991123 (200016)  
 NO 2000005587 A 20010103 (200109) C12N000-00  
 EP 1075514 A1 20010214 (200111) EN C12N015-09  
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
 RO SE SI  
 US 6200778 B1 20010313 (200120) C12N015-63  
 CZ 2000003773 A3 20010411 (200130) C12N015-09  
 ZA 2000005746 A 20010725 (200147) 80p C12N000-00  
 US 2001034044 A1 20011025 (200170) A61K048-00  
 KR 2001052279 A 20010625 (200173) C12N015-09  
 CN 1308673 A 20010815 (200174) C12N015-09  
 HU 2001001961 A2 20011029 (200175) C12N015-09  
 JP 2002513566 W 20020514 (200236) 64p C12N015-09  
 ADT WO 9957263 A1 WO 1999-US9795 19990505; AU 9938817 A AU 1999-38817  
 19990505; NO 2000005587 A WO 1999-US9795 19990505, NO 2000-5587 20001106;  
 EP 1075514 A1 EP 1999-921670 19990505, WO 1999-US9795 19990505; US 6200778

B1 Provisional US 1998-84663P 19980507, US 1999-305639 19990505; CZ 2000003773 A3 WO 1999-US9795 19990505, CZ 2000-3773 19990505; ZA 2000005746 A ZA 2000-5746 20001017; US 2001034044 A1 Provisional US 1998-84663P 19980507, Cont of US 1999-305639 19990505, US 2001-802807 20010308; KR 2001052279 A WO 1999-US9795 19990505, KR 2000-712067 20001030; CN 1308673 A CN 1999-808163 19990505; HU 2001001961 A2 WO 1999-US9795 19990505, HU 2001-1961 19990505; JP 2002513566 W WO 1999-US9795 19990505, JP 2000-547218 19990505

FDT AU 9938817 A Based on WO 9957263; EP 1075514 A1 Based on WO 9957263; CZ 2000003773 A3 Based on WO 9957263; US 2001034044 A1 Cont of US 6200778; HU 2001001961 A2 Based on WO 9957263; JP 2002513566 W Based on WO 9957263

PRAI US 1998-84663P 19980507; US 1999-305639 19990505; US 2001-802807 20010308

IC ICM A61K048-00; C12N000-00; C12N015-09; C12N015-63  
ICS A61P005-06; A61P005-24; C07H021-04; **C07K014-59**; C12N005-00; C12N005-06; C12N005-10; C12N015-00; C12N015-67; C12N015-85; C12P021-06

AB WO 9957263 A UPAB: 20000124

NOVELTY - A DNA construct (A) that alters expression of an endogenous **follicle stimulating hormone (FSH)**-beta gene in a mammalian cell upon integration into the genome of the cell via homologous recombination is new. The construct comprises a targeting sequence containing at least 20 contiguous nucleotides from the 6038 bp sequence (I) or the 542 bp (II) sequence fully defined in the specification, and a transcriptional regulatory sequence.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) an isolated nucleic acid, comprising at least 20 contiguous nucleotides of (I) or (II) or their complement;
- (2) an isolated nucleic acid comprising a strand that comprises a nucleotide sequence that is at least 100 nucleotides in length, and hybridizes under highly stringent conditions with (I) or (II) or their complements;
- (3) an isolated DNA comprising a strand that comprises a nucleotide sequence that is at least 100 nucleotides in length, and shares at least 80% sequence identity with a fragment of (I) or (II) having the same length as the nucleotide sequence;
- (4) a homologously recombinant cell stably transfected with (A), the construct having undergone homologous recombination with genomic DNA upstream of the ATG initiation codon of an endogenous **FSH** beta coding sequence;
- (5) a method of altering expression of an endogenous **FSH** beta gene in a mammalian cell, comprising:
  - (a) introducing (A) into the cell;
  - (b) maintaining the cell under conditions which permit homologous recombination between (A) and a genomic target site homologous to the targeting sequence, to produce a homologously recombinant cell; and
  - (c) maintaining this cell under conditions which permit expression of the **FSH** beta coding sequence under the control of the transcriptional regulatory sequence;
- (6) a method of delivering **FSH** beta to an animal, comprising providing the cell of (4), and implanting the cell in the animal, where the cell secretes **FSH** beta ; and
- (7) a method of producing **FSH** beta , comprising providing the cell of (4), and culturing the cell in vitro under conditions which permit the cell to express and secrete **FSH** beta .

ACTIVITY - None given.

MECHANISM OF ACTION - Gene therapy.

USE - Homologously recombinant cells of the invention which express **follicle-stimulating hormone** beta (**FSH** beta ) are useful for in vitro production of the protein and gene therapy. The cells are also useful as populations of homologously recombinant cell lines, as populations of homologously recombinant primary or secondary

cells, as homologously recombinant clonal cells or strains, as homologously recombinant heterogeneous cell strains or lines, and as cell mixtures of any of the above. Such cells may be used in a delivery system for treating infertility, for enhancing fertility in a human or animal, or for treating any other conditions treatable with **FSH** beta . The polynucleotides may be used as a source of primers, and to alter the expression of an endogenous **FSH** beta gene.

ADVANTAGE - None given.

Dwg.0/12

FS CPI  
FA AB; DCN  
MC CPI: B04-E02F; B04-E04; B04-E05; B04-E06; B04-J0100E; B11-C08E1; B14-P02; **B14-S03**; B14-S12; C04-E02F; C04-E04; C04-E05; C04-E06; C04-J0100E; C11-C08E1; C14-P02; **C14-S03**; C14-S12; D05-H08; **D05-H12D1**; **D05-H12D2**; **D05-H12D5**; D05-H14; D05-H18

TECH UPTX: 20000124

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred construct: The construct (A) further comprises an exon and a splice-donor site, and optionally a selectable marker gene. The construct even further comprises an intron and a splice-acceptor site downstream from the splice-donor site. The targeting sequence contains at least 50 contiguous nucleotides from (I) or (II).

Preferred nucleotide: The nucleic acid of (1) especially comprises at least 50, 100, 200, 500, or 1000 contiguous nucleotides of (I) or its complement. Alternatively, it comprises at least 50, 100 or 200 contiguous nucleotides of (II) or its complement. Especially, it comprises (I) or (II) or their complements. The nucleic acid of (2) and (3) is at least 200, 400, or 1000 nucleotides in length.

ABEX

ADMINISTRATION - The number of cells implanted into an adult human or other similarly sized animal is in the range of  $1 \times 10$  to the power 4 to  $5 \times 10$  to the power 5, preferably  $1 \times 10$  to the power 8 to  $1 \times 10$  to the power 9 cells.

EXAMPLE - To obtain genomic DNA containing upstream sequence of a **FSH**beta gene, a human leukocyte genomic library in lambda EMBL3 was screened with a 40 bp probe BETA2. This probe was derived from a 23 bp of exon 1 and 17 bp of intron 1, and has the sequence: 5'-TTGGCATCTACCGTTTCAAGTGGTGACAGCTA CTTTGA-3'. Approximately 1 million recombinant phages were screened with the radiolabeled probe, and 1 phage plaque, designated clone 8-1-1-1, was isolated. A 7.6 kb HindIII-KpnI fragment from phage 8-1-1-1 was subcloned into pBSIISK+ to produce pHFB2, which contains about 6.6 kb of upstream sequences, exon 1, intron 1, exon 2 and 9 bp of intron 2. The plasmid was sequenced, and previously unknown sequences determined.

L100 ANSWER 9 OF 10 WPIX (C) 2002 THOMSON DERWENT

AN 1997-202900 [18] WPIX

DNC C1997-065032

TI Diagnosis of ovarian dysgenesis and carriers from DNA abnormalities - by amplifying DNA including **follicle stimulating hormone** receptor allele(s), i.e. codon 189, cleaving fragments, and examination.

DC B04 D16

IN AITTOMAKI, K; DE, LA CHAPELLE A; HUHTANIEMI, I; AITTOMAEKI, K

PA (UYHE-N) UNIV HELSINKI LICENSING LTD OY; (UYHE-N) UNIV HELSINKI LICENSING LTD

CYC 24

PI WO 9711194 A1 19970327 (199718)\* EN 43p C12Q001-68 <--  
RW: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
W: AU CA CN JP NO NZ US  
AU 9669902 A 19970409 (199731) C12Q001-68 <--  
US 5851768 A 19981222 (199907) C12Q001-68 <--

ADT WO 9711194 A1 WO 1996-FI501 19960920; AU 9669902 A AU 1996-69902 19960920;  
US 5851768 A US 1995-531070 19950920  
FDT AU 9669902 A Based on WO 9711194  
PRAI US 1995-531070 19950920  
REP 4.Jnl.Ref

IC ICM C12Q001-68  
ICS C07H021-02; C07H021-04; C12P019-34  
AB WO 9711194 A UPAB: 19970502

A novel method for determining a **follicle-stimulating hormone** receptor (FSHR) genotype in a human patient, comprises:  
(a) providing a biological sample, contg. nucleic acid (NA) including the FSHR alleles, from the patient; (b) analysing the NA for presence of mutation(s) at codon 189; and (c) determining a FSHR genotype from the results, in which the presence of the mutation in (b) is correlated with an ovarian dysgenesis genotype.

USE - The NA, more specifically DNA, sequencing for mutations detects the difference between wild type FSHR alleles and types associated with hypergonadotrophic hypogonadisms, notably ovarian dysgenesis. The method can be used at any time in the life of the patient. It identifies patients having, or who are expected to have, the defect, even before the onset of symptoms at puberty, and those, both male and female, who may be genetic carriers, for counselling of couples intending to have children. The codon 189, located in exon 7 of the FSHR gene, is important; in normal patients, the sequence in this area is 5'-NGCATTC-3', but in mutation becomes 5'-NGTATTC-3'. Certain restriction endonucleases are able to recognise and cleave the normal chain at the GC link, but cannot cleave the abnormal GT link, resulting in one fragment fewer than normal in homozygous patients. For heterozygous patients, cleavage is partial, so that mutation results in more fragments than from normal patients. Amplification can be used to assist detection, e.g., by polymerase chain reaction (PCR) techniques; in this case, the entire coding sequence for the FSHR need not be used; only that including exon 7, or even a part of it, so long as the codon 189 is included for examination.

Dwg.0/6

FS CPI  
FA AB

MC CPI: B04-E01; B04-F01; B04-L05A; B11-C08E5; B12-K04A3; **B12-K04F**;  
D05-H09; D05-H18

L100 ANSWER 10 OF 10 WPIX (C) 2002 THOMSON DERWENT

AN 1991-058151 [08] WPIX  
CR 1992-284353 [34]; 1997-033562 [03]; 1997-469495 [43]; 1999-059041 [05];  
1999-131299 [11]; 2000-135935 [53]

DNC C1991-024573

TI Screening for transcriptional modulators of gene expression - using reporter gene which expresses signal polypeptide or DNA sequence transcribable into mRNA.

DC B04 B05 C03 D16

IN FOULKES, J G; FRANCO, R; LEICHTFRIED, F; PIELER, C; STEPHENSON, J R  
PA (ONCO-N) ONCOGENE SCI INC; (OSIP-N) OSI PHARM INC

CYC 22

PI WO 9101379 A 19910207 (199108)\* 174p  
RW: BE CH DE DK ES FR GB IT LI LU NL SE  
W: AU CA FI HU JP KR NO SU  
AU 9061400 A 19910222 (199120)  
EP 483249 A 19920506 (199219) EN 174p  
R: AT BE CH DE DK ES FR GB IT LI LU NL SE  
JP 04506902 W 19921203 (199303) 36p C12P021-00  
EP 483249 A4 19940406 (199530)  
AU 660405 B 19950629 (199533) C12P021-00  
KR 194562 B1 19990615 (200059) C12Q001-68 <--  
US 6376175 B1 20020423 (200232) C12Q001-68 <--  
ADT EP 483249 A EP 1990-911558 19900718; JP 04506902 W JP 1990-511061

19900718, WO 1990-US4021 19900718; EP 483249 A4 EP 1990-911558 ;  
 AU 660405 B AU 1990-61400 19900718; KR 194562 B1 WO 1990-US4021 19900718,  
 KR 1992-700119 19920118; US 6376175 B1 Cont of US 1989-382712 19890718,  
 Cont of US 1990-555196 19900718, Cont of US 1993-13343 19930204, Cont of  
 US 1993-134215 19931008, Cont of US 1994-267834 19940628, Cont of US  
 1996-683455 19960718, US 1998-123728 19980728  
 FDT EP 483249 A Based on WO 9101379; JP 04506902 W Based on WO 9101379; AU  
 660405 B Previous Publ. AU 9061400, Based on WO 9101379; US 6376175 B1  
 Cont of US 5665543, Cont of US 5976793  
 PRAI US 1989-382712 19890718; US 1990-555196 19900718; US 1993-13343  
 19930204; US 1993-134215 19931008; US 1994-267834 19940628; US  
 1996-683455 19960718; US 1998-123728 19980728  
 REP 2.Jnl.Ref; EP 117058; US 4738922; US 4740461; 7.Jnl.Ref; WO 8902472  
 IC ICM C12P021-00; **C12Q001-68**  
 ICS C07H021-02; C07H021-04; C12N001-38; C12N005-00; C12N005-02;  
 C12N005-08; C12N007-04; C12N015-00; C12N015-67; C12N015-79;  
 C12P019-34; C12Q001-04; C12Q001-66  
 AB WO 9101379 A UPAB: 20020521  
 Transcriptionally modulating the expression of a homologous  
 gene-of-interest, the expression of which is associated with a defined  
 physiological or pathological effect within a multicellular organism is  
 claimed which comprises contacting a cell, which is capable of expressing  
 the gene, with a mol. to transcriptionally modulate expression of the gene  
 and thereby affect the level of the protein encoded by the gene which is  
 expressed by the cell.  
 The mol. (a) does not naturally occur in the cell, (b) specifically  
 transcriptionally modulates expression of the gene of interest and (c)  
 binds to DNA or RNA, or binds to a protein through a domain of such  
 protein which is not a ligand-binding domain of a receptor which naturally  
 occurs in the cell, the binding of a ligand to which ligand-binding domain  
 is normally associated with the defined physiological or pathological  
 effect.  
 USE - Used for modulating the expression of a gene-of-interest e.g.  
 genes for G-CSF, M-CSF, EPO, IL, GH, GHRH, HIV, HTLV-1, HTLV-2, papilloma  
 virus, cytomegalovirus pseudorabies, Marek's, Newcastle's Disease etc..  
 The modulation can be applied to the amelioration of a disorder, e.g.  
 cancer, haematopoietic dysfunction, diabetes etc..  
 Dwg.0/0  
 FS CPI  
 FA AB  
 MC CPI: B04-B02D1; **B04-B02D4**; B04-B03A; B06-H; B07-H; B08-D02;  
 B10-A08; B10-A09B; B10-A12A; B10-A21; B10-A22; B10-B04A; B10-D03;  
 B10-E02; B12-A01; B12-A02C; B12-A06; B12-B04; B12-D07; B12-G07;  
 B12-H03; B12-H05; C04-B02D1; **C04-B02D4**; C04-B03A; C06-H;  
 C07-H; C08-D02; C10-A08; C10-A09B; C10-A12A; C10-A21; C10-A22;  
 C10-B04A; C10-D03; C10-E02; C12-A01; C12-A02C; C12-A06; C12-B04;  
 C12-D07; C12-G07; C12-H03; C12-H05; D05-H03B; **D05-H09**;  
 D05-H12

=> d his

(FILE 'REGISTRY' ENTERED AT 09:21:25 ON 10 DEC 2002)

DEL HIS

E FOLLICLE STIMULATING HORMONE/CN

L1 1 S E10

E FOLLIC?(L) STIMULATING(L) HORMON?

L2 328 S FOLLIC?(L) STIMULATING(L) HORMON?

L3 1 S L1 AND L2

L4 327 S L2 NOT L3

FILE 'HCAPLUS' ENTERED AT 09:23:03 ON 10 DEC 2002

L5 19247 S L3

L6	4640 S L4
L7	23863 S FSH OR FOLLICUL? STIMULAT? HORMON?
L8	455 S ANTHROGON OR ANTORIN# OR FERTINORM OR FOLICOTROPIN# OR FOLIGO
L9	7521 S ?FOLLIC?(L)?STIMULAT?(L)HORMON?
L10	3 S FOSTIMON
L11	28845 S L5-L10 E WONG G/AU
L12	315 S E3-E30 E WONG GRACE/AU
L13	73 S E3-E11
L14	1 S L11 AND L12, L13 E DRUG SCREENING/CT
L15	754 S E4, E5 E E3+ALL
L16	21362 S E2, E1 E E7+ALL
L17	67 S E2 E E5+ALL
L18	6832 S E1+NT E DRUG DESIGN/CT E E3+ALL
L19	5325 S E3 E E6+ALL
L20	1957 S E3+NT E E6+ALL
L21	1084 S E1 E MICROARRAY/CT E E4+ALL
L22	7321 S E6, E7, E5+NT E E4+ALL
L23	329 S E3 E E9+ALL
L24	1817 S E2+NT E E13=ALL E MICROCHEMISTRY/CT E E3+ALL
L25	105 S E3+NT E E6+ALL E MICROANALYSIS/CT E E3+ALL
L26	2467 S E3, E2+NT E GENE EXPRESSION/CT E E3+ALL
L27	94865 S E2 E GENE EXPRESSION/CT E E4+ALL
L28	1144 S E1, E2
L29	33 S L11 AND L15, L16
L30	19 S L11 AND L17-L21
L31	11 S L11 AND L22-L26
L32	449 S L11 AND L27, L28
L33	910 S L11 AND GENETIC?/SC, SX
L34	31 S L32, L33 AND L29-L31 E FSH/CT E E4+ALL
L35	971 S E13, E12
L36	7 S L35 AND L15, L16
L37	7 S L35 AND L17-L21
L38	4 S L35 AND L22-L26
L39	54 S L35 AND L27, L28
L40	139 S L35 AND GENETIC?/SC, SX
L41	31 S L39, L40, L32, L33 AND L29-L31, L36-L38 SEL DN AN 1 5 6 8 11 13 16 19 21 22 23 24 25 27 30

L42 15 S E1-E45  
 L43 259 S L5 AND L27,L28  
 L44 467 S L5 AND GENETIC?/SC,SX  
 L45 652 S L43,L44  
 L46 53 S L45 AND SCREEN?  
 L47 44 S L46 NOT L41  
       SEL DN AN L47 4 12 21 24 30 34  
 L48 6 S E46-E63  
 L49 21 S L14,L42,L48  
 L50 3 S L45 AND L20-L26  
 L51 21 S L49,L50  
 L52 9 S L5 AND L18  
 L53 0 S L5 AND L15,L17  
 L54 21 S L51 AND L5-L53  
 L55 17 S L54 AND (PD<=20000512 OR PRD<=20000512 OR AD<=20000512)  
 L56 4 S L54 NOT L55  
       SEL DN AN 1 4  
 L57 2 S L56 AND E64-E69  
 L58 19 S L55,L57

FILE 'REGISTRY' ENTERED AT 10:40:19 ON 10 DEC 2002

FILE 'HCAPLUS' ENTERED AT 10:40:30 ON 10 DEC 2002

L59 15 S L58 AND L7-L10  
 L60 13 S L58 AND L5  
 L61 15 S L59,L60  
 L62 4 S L58 NOT L61

FILE 'WPIX' ENTERED AT 11:03:33 ON 10 DEC 2002

L63 659 S L7 OR L9  
 L64 13 S L8  
 L65 668 S L63,L64  
       E WONG G/AU  
 L66 124 S E3-E21  
 L67 317 S (A61K038-24 OR C07K014-59)/IC,ICM,ICS  
 L68 219 S (B04-J05H OR C04-J05H)/MC  
 L69 1042 S (B04-B02D4 OR C04-B02D4)/MC  
 L70 1963 S L65,L67-L69  
 L71 4 S L66 AND L70  
       SEL DN AN 1  
 L72 1 S L71 AND E1-E2  
 L73 59 S C12Q001-68/IC,ICM,ICS AND L70  
 L74 29 S L70 AND (B12-K04F OR C12-K04F)/MC  
 L75 47 S L70 AND (B12-K04E OR C12-K04E)/MC  
 L76 313 S L70 AND D05-H09/MC  
 L77 2 S L70 AND D05-H12D/MC  
 L78 19 S L70 AND D05-H12D1/MC  
 L79 35 S L70 AND D05-H12D?/MC  
 L80 83 S L73,L77-L79  
 L81 63 S L80 AND L74-L76  
 L82 21 S L81 AND C12Q001-68/ICM  
 L83 3 S L81 AND C12Q001-68/IC NOT C12Q001-68/ICM,ICS  
 L84 8 S L82 AND L65  
       SEL DN AN 7 8  
 L85 6 S L84 NOT E3-E8  
 L86 13 S L82 NOT L83-L85  
       SEL DN AN L86 9 10  
 L87 2 S L86 AND E9-E12  
 L88 8 S L72,L85,L87  
 L89 39 S L81 NOT L82-L88  
       SEL DN AN 4 14  
 L90 2 S L89 AND E13-E18  
 L91 10 S L88,L90



L92 35 S (B14-S03 OR B14-S03A OR C14-S03 OR C14-S03A)/MC AND L70  
 L93 16 S L92 AND L80  
 L94 20 S L92 AND L76  
 L95 24 S L93,L94  
     SEL DN AN 5 6 18 19  
 L96 4 S E19-E28  
 L97 11 S L91,L96  
 L98 11 S L92 NOT L95  
 L99 11 S L97 AND L63-L98  
 L100 10 S L99 NOT CONJUGATE/TI

FILE 'WPIX' ENTERED AT 11:50:40 ON 10 DEC 2002

FILE 'DPCI' ENTERED AT 11:51:17 ON 10 DEC 2002  
 E WO2001088193/PN

FILE 'WPIX' ENTERED AT 11:51:42 ON 10 DEC 2002

SET SMARTSELECT ON  
 L101 SEL L72 1- PN APPS : 5 TERMS  
 SET SMARTSELECT OFF

FILE 'DPCI' ENTERED AT 11:51:44 ON 10 DEC 2002  
 L102 0 S L101

FILE 'HCAPLUS' ENTERED AT 11:51:53 ON 10 DEC 2002